CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Municipal building annex, Washington, D. C., District Comrs. had sketches made, $10,000,000.

Sewers, Los Angeles, Calif., making plans, $9,860,000.

Apartment, Phila., Pa., Schultz & Weaver, archts., preparing preliminary plans, $6,000,000.

Apartment, New York, N. Y., J. Tishman & Sons having plans prepared, $3,000,000.

Exchange and office, Oklahoma City, Okla., Southern Bell Telephone soon lets contract, $3,000,000.

Pipe line, Texas, Magnolia Petroleum Co., making surveys, $2,000,000.

Coke plant, Richmond, Va., Virginia Domestic Coke Corp. plans plant, $2,000,000.

Women's prison, New York, N. Y., Dept. Correction takes bids in January, $2,000,000.

Apartments, New York, N. Y., Six West Seventy-Seventh Street Corp. having plans prepared, $2,000,000.

Schools, Tennessee, State Bd. Educ. and Bd. Educ. various counties having plans prepared, $2,000,000.

Apartment, Evanston, Ill., H. S. Jones having plans p epared, $1,100,000.

Office and lodge, St. Louis, Mo., Knights of P thias takes bids about Oct. 6, $1,000,000.

Hotel, Paducah, Ky., G. Langstoff having plans prepared, $1,000,000.

Hospital, Belleville, N. J., Bd. Freeholders Essex Co. having plans prepared, $1,000,000.

Hotel and sanitarium, Atlantic Highlands, N. J., A. F. Amodis, archt. making sketches, $1,000,000.

Bids Desired

Office, Detroit, Mich., Oct. 4, by Smith, Hinchman & Grylls, archts. and engrs., $8,000,000.

Excavation, Freeport, Tex., Freeport Navigation Dist. taking bids and open same in November, diverting Brazos River, $1,500,000.

Hospital, Phila., Pa., Oct. 5, by W. E. Herring, $2,000,000.

Bids Received

Subway, New York, N. Y., Bd. Transportation from Marcus Contg. Co. $4,740,000; from Moranti & Raymond, $5,735,000; from M. Blunenthal, $10,000,000.

Office, Cincinnati, O., Fountain Square Co. from J. & F. Harig, $1,000,000.

Contracts Awarded

Office, Pittsburgh, Pa., Grant Bldg., Inc. to Thompson Starrett Co. New York City, Archts. est. $6,000,000.

Bridges, Virginia, James River Bridge Corp. to Turner Constr. Co., New York City, approximately, $5,000,000.

Office, Dallas, Tex., Southwestern Bell Telephone Co., St. Louis, Mo., to Henger & Chambers. Archts. est. $2,500,000.

Hotel, St. Louis, Mo., Teich & Sullivan, archts., Chicago, Ill., to Boaz-Kiel Constr. Co. Archts. est. $2,000,000.

Office, Phila., Pa., N. W. Ayers & Son to Ketcham and McQuaid. Archts. est. $1,600,000.

Hospital, Tucson, Ariz., U. S. Veterans' Bureau, Wash., D. C., general contract to Sumner Schlitt Co., Chicago, Ill. $787,134 and sub-contracts. Grand total $1,095,730.

Apartment, Hollywood, Calif., T. H. Miller to State Constr. Co., Los Angeles, $1,006,000.

News of the Week

Waterworks

Proposed Work

N. J., Gloucester—Plans extending mains to the Heights. $30,000.

Pa., Pittsburgh—Bureau of Water, City County Bldg., takes bids early in 1928, 1 mi. 30 in. main between Mission Pumping Station and Allentown tanks; also renewing steam boilers and equipment at Mission Pumping Station. $150,000.

Tenn., Cowen—Made preliminary plans new waterworks. $20,000. H. W. Thorogood, mayor. Engineer not selected.

Ind., Osgood—Takes bids about Oct. 19, complete waterworks, incl. pumping equipment, purification plant, distribution system 4, 6 and 8 in. c.i. pipe, etc. $75,000. Edward Flad & Co., Chemical Bldg., St. Louis, Mo., engrs.

Ill., Kenilworth—Making plans filtration plant and pumping station. $50,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Kan., Irving — Voted $25,000 bonds, waterworks. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs.

Mo., Bowling Green — Voted $17,500 bonds, waterworks.

Tex., Junction—Plans improving waterworks, incl. fire protection system, etc. $25,000 or more.

Tex., Muenster—Voted $34,000 bonds, waterworks. Address mayor.

Tex., Poteet — Voted $40,000 bonds, waterworks. Address A. J. Goodfellow, mayor. Noted June 9.

Tex., San Angelo—San Angelo Water, Light & Power Co., (subsidiary of West Texas Utilities Co., Abilene), made plans two 300,000 gal. storage stand pipes, steel, two water towers, and larger mains in East Harris St. $100,000. T. Rowe, div. supt.

Ariz., Tucson—Soon takes bids waterworks. To exceed $15,000. Burns & McDonnell, 400 Interstate bldg., Kansas City, Mo. Noted Feb. 24.

Ont., Brampton—Making plans 6,500 lin.-ft. 16 in. c.i. main from here to Snells Lake. $31,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

S. A., Columbia — Barranquilla — City making plans filtration plant. $250,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., U. S. A., engrs.

Bids Desired

N. Y., New York — Sept. 30, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., laying and lowering low and high pressure watermains, etc. in Columbus and 12th Aves., Bond, Dykeman, Isham, West, East 14th Sts., etc.

N. J., Newark—Oct. 19, at office T. L. Raymond, Dept. Pub. Affairs, City Hall, 60 in. water conduit from Belleville Reservoir, Bel'eville to 8th Ave., here., dir.; adv. E. N.-R. Sept. 29.

Md., Baltimore—Oct. 5, by Bd. Awards, pumping equipment at Montebello Pumping Station. E. G. Rost, City Hall, water engr.

Md., Baltimore—Oct. 5, by Bd. Awards, at office City Register, City Hall, curb stop and roadway valve boxes to Bureau Water Supply. B. L. Crozier, ch. engr. E. G. Rost, water engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Miss., Eupora—Oct. 10, by City Clerk, 10,000 gal. reservoir, pump house, 5,000 gal. tank 24,550 ft. 1½- to 8-in. c.i. water mains and 20,660 ft. 6- to 12-in. sewers, etc., in various streets. $60,000. M. L. Culley, Jackson, engr.

Tenn., Gainesboro — Oct. 3, by Town, waterworks, incl. distribution system, 4,400 lin.ft. 6 in. c.i. pipe, 10 hydrants, etc. To exceed $15,000. Klyce & Harrub, 4th and 1st Natl. Bank Bldg., Nashville, engrs. Noted Oct. 7.

Mo., St. Louis — Oct. 25, by Bd. Pub. Serv., 208 City Hall, rein.-con. and brick coagulant house at Howards Bend Water Works, St. Louis Co. $275,000. L. Day, c/o Water Dept., comr. Noted Aug. 4.

Ark., Fort Smith—Oct. 17, by City Clerk, 8 m.g.d. high lift condensing turbo-centrifugal pumping engine, total lift 235 ft., incl. surface condenser, vacuum and condensate pumps, pipes, valves, fittings, fixtures and furnishings, venturi meter complate with indicator, integrator, recorder and appurtenances; low lift 8 m.g.d. low lift condensing turbo-centrifugal pumping engine, total lift 55 ft. W. H. Evans, City Hall, engr.

Tex., Center—Oct. 6, by City, tank and steel tower with maximum water line elevation 131 ft.

Tex., McAllen—See "Contracts Awarded."

Tex., San Antonio — Miller-Darrough, 1211 West Mistletoe St., taking bids distributing system, incl. 2- to 8-in. mains and laterals in 98 acre sub-division on Vance-Jackson Rd. $35,000 mostly materials. Private plans.

Contracts Awarded

Vt., Castleton—Prudential Com. of Incorporated Fire Dist. 1, water supply, incl. reservoir, 4 mi. 4 in. gravity and 4.5 mi. 4- to 10-in. distribution lines, to G. Ferullo Co., 31 North Sq., Boston, Mass. Engrs. est. $90,000.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Avenues J, L, M and Q, Benson, Stanley, Canal, Flatlands, and Hegeman Aves., etc., here, to Dragonetti Constr. Co., 1123 Clinton Ave., New York City, $15,940. Noted Sept. 22.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bleecker, Greene, Grove Sts., etc., here, to Norton Constr. Corp., 21 East 40th St., New York City, $39,100. Noted Sept. 8.

N. J., Denville—Twp. Com., Township Hall, concrete foundation for 250,000 gal. storage tank, and concrete, brick and steel pump-house, to Delta Constr. Co., 23 Overlook Rd., Summit, $17.20 per cu.yd. and $2,676 respectively; also tank, to R. S. Newbold & Son Co., Norristown, Pa., $3,990. Noted Aug. 25.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, chlorine apparatus for Belmont Mechanical Filters, Contr. 899, to Wallace

See proposal advertising on page 112

TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Only 51 days between the decision to build an emergency water works plant - - *and the finished job!*

- - the speed with which Leadite jointing can be accomplished contributed to this remarkable feat.

THE line illustrated here is 26,000 ft. of 12" pipe with LEADITE joints.

Owing to the emergency which arose in the city for which the installation was made no trenching could be attempted.

The line lies throughout its entire length on the surface of the ground without any bracing except at the bends.

After completion the line was tested to 260 lbs. pump pressure.

It is now under constant pump working pressure of 230 lbs. For over 30 years now, LEADITE has demonstrated by test and experience that it is absolutely permanent and secure.

Leadite is self-caulking and is so simple to use that the method of using it can be taught to even the most inexperienced help in a very short time.

Added to its speed and ease of use—Leadite saves at least 75% on account of saving in material and labor.

Part of the 26,000 ft. installation, crossing an open field. Chas. E. Waddell & Co., Engineers.

Specify and use **LEADITE** —it saves at least 75%

Be sure it is **LEADITE** and accept no imitations ~ ~ ~

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

& Tierman Co., Inc., Belleville, N. J. $6,000. Noted Sept. 15.

D. C., Wash.—District Comrs., District Bldg., constructing Water Tower 2, at Reno Reservoir, here, to J. B. Ginechesi, 1635 Conn. Ave., $57,500. Noted Sept. 8.

Ill., Abingdon—Drilling well, etc. to Potsdam formation, to Thorpe Bros. Well Co., 224 Atlas Bldg., Des Moines, Ia., $24,702. Engrs. est. $27,000. Noted May 19.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, water service pipes in portions West 112th and 113th Places, South Rockwell, South Carpenter, Throop, Loomis, South Bishop and Laflin Sts., South Artesian, South Campbell, Jersey, Sangamon and South Maplewood Aves., to Washington Plumbing & Heating Co., 461 North Halsted St., portions St. Anthony Court, East 86th Pl., South Sangamon and East 86th Sts., Elston, Creiger, Constance, Bennett and Euclid Aves., to G. D. Hardin, 3139 Indiana Ave., portions Sherwin, Koman, South Tripp, Karlov, Kedvale, Keeler, Kildare, Kolin, Kostner, Kenneth, Kilbourne and Kolmer Aves., to Walsh & Metzer, Inc., 6828 South Chicago Ave.

Minn., Minnetonka Beach—Waterworks, incl. 50,000 gal. elevated tank, pump house and equipment, 400 ft. 6 in. suction, 600 ft. 8 in. force and 460 ft. 4 in. surface mains, to W. Fraser & Son, 1957 University Ave., St. Paul. Approximately $16,000.

Neb., Comstock—For 50,000 gal. tank on 100 ft. tower, to Drake-Williams-Mount Co., 23rd and Hickory Sts., Omaha, $5,950; 8,606 ft. 4 and 8 in. Class "B" c.i. pipe, to McWane Pipe Co., Birmingham, Ala., $7,354; pipe line, labor and pump house, to Knapp Constr. Co., Hastings, $4,830; 23 hydrants, valves and boxes, to Interstate Co., Omaha, $1,266; 10 in. well 95 ft. deep, pump and motor, to E. C. Archibald, Omaha, $3,345. Grand total $22,745. Noted Sept. 1.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, boiler settings for four 650 hp. boilers, incl. complete combustion control system, etc., for Howards Bend Waterworks Station on Missouri River, St. Louis Co., to J. V. Boland Constr. Co., Chemical Bldg., $43,209. Engrs. est. $40,000. Noted Aug. 11.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, 202 x 250 ft. rein.-con. clear water basin at Howards Bend Waterworks Station on Missouri River, St. Louis Co., to Frazier-Davis Constr. Co., Arcade Bldg., $187,665. Engrs. est. $270,000. Noted Aug. 11.

Mo., Savannah—General contract impounding reservoir, puirfication system, mains and appurtenances in various streets, to F. Clark, Savannah, $75,785. Noted Aug. 18.

Tex., McAllen—Central Power & Light Co., San Antonio and San Benito, will build 8 in. mains by day labor. $30,000. Private plans.

Tex., Rio Hondo—City will construct new waterworks, by day labor, under supervision of C. E. Mallernee, Rio Hondo, $15,000 mostly equipment. Address Mayor.

Calif., Los Angeles—City Water & Power Comn., 60,000 ft. 6 in. welded steel, and 27,000 ft. wrapped steel, bell and spigot pipe, to Grinnell Co. of the Pacific, 520 Mateo St., $55.85 and $61.15 per 100 ft. respectively.

Calif., Pasadena—To Amer. C. I. Pipe Co., Rives-Strong Bldg., Los Angeles, 16,000 ft. 6 in. pipe at $0.555 per ft., 16,000 ft. 8 in. $0.80, both Class "150", 3,000 ft. 8 in. Class "350" $0.86, and 9,000 ft. 12 in. Class "150" $1.40, etc.; also to U. S. Cast Iron Pipe & Fdry. Co., Wright-Callendar Bldg., Los Angeles, 3,000 ft. 6 in. Class "250" $0.5836, and 2,500 ft. 16 in. Class "B" $2,327, etc.

Sewers

Proposed Work

Massachusetts—Dept. Pub. Health, State House, Boston, rejected bids Sept. 14, sewers, etc. at Westfield State Sanatorium, Westfield, and North Reading Sanatorium, North Reading. Will probably readvertise. G. H. Bigelow, comr. Noted Sept. 8.

Mass., Newton (br. Boston)—Plans sewerage works in Highland, Lewis, Talbot and Warden Sts., Greylock, Annapolis, Arapahoe, Bolton, and Westminster Rds., $50,000 or more. Private plans.

Conn., Terryville—Making preliminary plans and surveys sewage disposal system. To exceed $25,000. Sperry & Buell, Inc., 175 Main St., Bristol, engrs.

Pa., Lancaster — Making preliminary plans intercepting sewers, sewage pumping stations and treatment plant, Imhoff tanks and trickling filters, three 1,000 g.p.m. sewage pumps, etc. $900,000. Fuller & McClintock, Victory Bldg., Phila., engrs.

N. C. Thomasville—Making plans extending sewerage system, incl. 7000 ft. 18 in. outfall. W. C. Olsen, Raleigh B. & L. Bldg., Raleigh, engr.

O., Elyria—City, plans sewage treatment plant and sewers in various streets, here. $600,000. G. B. Gascoigne, Leader Bldg., Cleveland, engr.

Ind., Elkhart—Bd. Pub. Wks. soon takes bids local sewers in various streets. $35,000; and pre-cast district sewers, $200,000. Former bids rejected. Burns & McDonell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Apr. 21.

Ill., Aurora—Voted $1,000,000 bonds, sewage disposal plant. W. E. Deuchler, city engr. Noted Dec. 30.

Ill., Belleville—Takes bids about Jan. 1, straightening Richland Creek, also storm, sanitary and intercepting sewers, sewage disposal plant, etc. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs. Noted Aug. 18.

Ill., Centralia—Making preliminary plans sewage disposal plant and extending sewers in various streets. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.

Ill., Springfield—Making estimates sewerage system. $85,000.

Ill., Taylorville — Making preliminary plans extending sanitary sewers in various streets and complete sewage disposal plant, etc. $250,000.

Ia., Burlington—Soon takes bids 3,426 ft. 24- to 48-in. rein.-con. storm sewers. $25,000. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Feb. 10.

Kan., Concordia—Making plans extending sewers in various streets. To exceed $25,000. C. A. Haskins, 822 Finance Bldg., Kansas City Mo., engr.

Mo., Desoto—Making preliminary plans complete sanitary sewerage system, incl. disposal plant, etc. $130,000. C. A. Haskins, 822 Finance Bldg., Kansas City, engr.

Mo., Marshall—Making plans sewerage system and disposal plant. $25,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans 800 ft. Rock Creek Sewer, addition to approximately $80,000; and constructing relief sewer serving district adjacent to Branch St., $350,000-$400,000. W. W. Horner, 300 City Hall, engr.

Mo., Springfield—Takes bids about Oct. 11, Southwest Outfall Sewer, 10,400 ft. 30 in. and 1,500 ft. 16 in. double pressure line, $65,000; also sewage disposal plant, clarifiers, digestors, dosing tank, trickling filter, etc., $185,000. Russell & Axon, 404 McDaniel Bldg., engrs.

Ark., Little Rock—Making preliminary plans approximately 18,000 ft. sewers in Hollenberg and Lincoln Park additions.

Tex., Laredo—See "Bridges."

Tex., Livingston—City, C. Sory, mayor, soon takes bids sewerage system and disposal plant. $50,000 bonds voted for same. F. J. Von Zuben, 611 Dan Waggoner Bldg., Fort Worth, engr.

Tex., Muenster—Voted $50,000 bonds, sewerage system. Address Mayor.

Tex., Sherman—Voted $50,000 bonds, complete sewerage system. Address R. L. McClellan, Sherman, mayor. Devlin Eng. Co., 127 Central Bldg., Amarillo, consult. engrs.

Tex., Spearman—Takes bids after Oct. 1, sanitary sewerage system. $50,000. Devlin Eng. Co., 127 Central Bldg., Amarillo, engrs. Noted Sept. 22.

Calif., Long Beach—Making plans sewer in industrial section city. $800,000. A. H. Adams, city engr.

Calif., Los Angeles — Making plans Leonard St. Storm Drain, $1,800,000; sewer in area between Sects. 2 and 3 Jefferson St. Storm Drainage System, $670,000; Arroyo de los Posos Storm Drain, $800,000; El Sereno Valley Storm Drain, $250,000; extending Arroyo de la Sacatella Storm Drain, $4,000,000; sewer in Wilcox Ave. between Hollywood Mountains and Pico Blvd. and between Van Ness Ave. and Seward St., $1,500,000; storm drain in Dorchester Ave. and portions cities of South Pasadena, Alhambra and Los Angeles, $420,000; storm drain in Parkdale Ave. and in portions of cities of Glendale and Los Angeles between Colorado Blvd. and Los Angeles River, $420,000; also storm drain in Jefferson St., etc. Total $9,860,000. L. W. Armstrong, Los Angeles, storm drain engr.

Calif., Redwood City—Plans 4- to 10-in. sewers in Tulip Ave. and Fir St., etc. To exceed $25,000.

Calif., Redlands—C. P. Hook, city clk., made plans 8 in. vitr. sewer, etc. West State and Mill Sts., etc. To exceed $25,000.

Que., La Tuque—Corporation plans constructing sewerage system. $75,000.

Ont., New Toronto—Making plans ½ mi. concrete or vitr. tile trunk sewer in 19th St. $37,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Bids Desired

N. Y., West Haverstraw — Oct. 6, by Superintendent Standards & Purchase, Div. Standards & Purchase, Capitol, Albany, sewers and water service connections at New York State Orthopedic Hospital for Children, here; adv. E. N.-R. Sept. 29.

Pa., Phila.—Oct. 5, by Dept. Pub. Wks., Bureau of Engineering, branch sewers in Island, Guyer and Roxborough Aves., Burton, Glenloch, Marsden, Larue, Fraley, Duffield, G. I. Loretto Magdalena, Wendover Sts. G. H. Biles, dir.

O., Akron—Oct. 6, by W. F. Peters, dir. Pub. Serv., 905 ft. 10- to 20-in. vitr. clay and 2,370 ft 30- to 48-in. brick or segmental block sewer in Aqueduct St. Outlet, $39,000; 200 ft. 8- to 24-in. vitr. clay, 3,130 8- to 20-in. vitr. clay, 1,425 ft. 33- to 36-in. brick or segmental block sewer in Gottwalt and South Main Sts., $46,900. J. E. Rott, Municipal Bldg., engr.

O., Columbus—Oct. 4, by W. H. Duffy, dir. Service, 7,095 ft. 15- to 48-in. vitr. sewer, etc. in Mound St. $45,582. R. H. Simpson, city engr.

O., Dayton—Oct. 31, by W. W. Morehouse, dir. Water Dept., City Bldg., sewage treatment plant.

Wis., Milwaukee—Oct. 6, by Metropolitan Sewerage Comn., 508 Market St., main sewer known as Metropolitan Contr. 44, and extending 14th Ave. Sewer, 5,290 ft. 15 and 18 in. tile, and 273 ft. standard manholes, etc. $50,000. R. Cramer, c/o owner, ch. engr.

Minn., Perham—Oct. 18, by S. W. Lotterer, village clk., sewerage system and disposal plant, Imhoff tank, etc. $80,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Minn., South St. Paul—Oct. 3, by J. R. Stevenson, city recdr., approximately 2,500 lin.ft. 4 to 5 ft. trunk sewer, etc. in Church St. $25,000.

Mo., Moberly—Taking bids sewage disposal plant, incl. grit chamber, clarifier, sludge digestor bed, pumping equipment, etc. for western section city. $32,559. Former bids rejected.

Calif., Weed — C. H. Kirk, clk. Shastina Sanitary Dist., taking bids 18,014 lin.ft. 6- to 12-in. vitr. sewer, etc. in various streets. Ream & Mackey, Mt. Shasta, engrs.

Contracts Awarded

Massachusetts—South Essex Sewerage Dist. Salem, for 4,150 lin.ft., 30 x 42 and 33 x 34 in. concrete trunk sewers in Sect. 7, Beverly and Danvers, to Welch & Moynihan, Salem. $72,000. Noted Sept. 15.

N. J., Vineland—Bd. Boro Comrs., Boro Hall, sewage disposal plant on Mill Rd., to E. R. Moorehouse, 1361 Park Blvd., Camden, $80,722. Noted Sept. 22.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, to F. Jaffolla, 10 Ryders Ave., Cheltenham, branch sewers in Betts Ave. $2,219, to A. Corrado, 5920 Magnolia Ave., Bridge St. $1,590, to Vattieri & Pontarelli, 523 Rising Sun Ave., City Ave. $1,540, D St. $8,294, and Devereaux St. $4,928, to Garson & Garson, 1243 North 58th St., 58th St. $5,638 and Simon St. $3,782, to A. DiSandro & Son, 6400 North 5th St., Gerhard St. $8,266, and Indian Queen Lane $10,809, to A. Mattia, 310 North 65th St., Granite St. $2,493, to V. S. Campbellone, 3856 North 10th St., Herbert St. $2,074, and Milner St. $3,764, and to Pasquale Pinciatti, 4103 Roosevelt Blvd., Ruan St. $2,645; also to F. T. Buckins, Jr., 4050 Kensington Ave., inlets, laterals, etc. $34,000. Grand total $91,042. Noted Sept. 8.

Pa., Pittsburgh—For 9 and 15 in. terra cotta and 48 in. brick sewers in Bond St., to M. Manella, 224 South Atlantic Ave., $25,302. Engrs. est. $27,500.

Mich., Dearborn—Constructing Sect. 1, Southwestern Trunk Sewer, 6,345 ft. 8 in. to 10 ft. pipe, etc., to Blanck & Gargaro, 40 Seven Mile Rd. E., Detroit., $173,133.

Mich., Detroit—Dept. Pub. Wks., Lateral Sewers 4896, 4903, and 4904, concrete to Franklin Constr. Co., 4150 McDougall Ave., $136,062; and Lateral Sewer 4889, brick, to J. Rossi, 4148 Seneca Ave., $34,000.

Ill., Chicago — Clerk Sanitary Dist. of Chicago, 910 South Michigan Ave., North Side Sewage Treatment Works, Div. R centrifugal c.i. pipe, to Dowdle Bros. Co., 77 West Washington St., $937,770. Noted Aug. 4.

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Sewers (Continued)

Ill., Chicago — Bd. Local Impvts., Room 207, City Hall, tile sewers with brick manholes and brick catch basins in portions East 91st St., Cornell, Creiger, East End and Ridgeland Aves., to Alfonso Scully, 5467 Kamerling St., portions South California Ave., to G. Barry, 5924 South Wabash Ave., portions Wallace St., to L. Scully, 82 West Washington St., portions North Mozart, North Richmond and North Whipple Sts., Lincoln, North Francisco and North Sacramento Aves., to J. Tirtilli, 732 South Ashland Ave., portions Elston and North Maplewood Aves., to M. De Vito, portions West 87th St., Normal and Sangamon Sts., to M. Murphy, 5854 South Michigan Ave., and portion South Talman Ave., to A. Santucci, 916 South Ashland Blvd.

Ill., Tessville (mail Morton Grove)—Sewer drains, lead service pipes and house drains, to G. Hardin, 3139 Indiana Ave., Chicago, $25,511. Noted Apr. 21.

Wis., Lake (St. Francis P.O.)—Sewers and laterals in Norwich, Sheridan, Griffin and Austin Sts., Van Beck, Court, Howell, Burdick Hanson, Jordan, Howard and Pine Aves., to N. Tomaro, 909 Layton Ave., Cudahy $17,265 and $7,980 respectively. Noted Aug. 25.

Wis., Milwaukee — Bd. Pub. Wks., to Zimmermann & Zimmermann, 3402 Wisconsin A e., sewers in Burleigh St. $5,353, Dixon St. $6,260, Roder Court $801, and Siegfried Pl. $8,240; to Milwaukee Sewer & Drain Co., 928 Humboldt Ave., Chase St. $3,898; to A. H. Koch, 300 Martha Washington Dr., Wauwatosa, East Ohio Ave., $8,795; to Clayton Constr. Co., 5102 Burleigh St., Main St., $6,621; and to Wenzel & Henoch, 49th and State Sts., Taylor Ave., $33,244. Grand total $73,212.

Neb., Fremont—Bd. Pub. Wks., drainage work and storm sewers in various streets, to A. A. Dobson Co., 809 1st Natl. Bank Bldg., Lincoln, $61,900.

Mo., Cape Girardeau—W. C. Kaempfer, city clk., 6- to 60-in. vitr. clay sewers in South End Sewer Dist. 3, to Tom Johnson, Inc., Kansas City, $72,900. Engrs. est. $95,000. Noted Aug. 25.

Mo., Rolla—For 23,052 ft. 8 and 12 in. sewers in various streets, sewage disposal plant and ejector station, to J. O'Neil, Fort Leavenworth, Kan. $42,862. Engrs. est. $50,000. Noted Aug. 11.

Tex., Mercedes—Excavating for sewage disposal plant, to R. W. Briggs & Co., Pharr, $21,300; City will purchase and install machinery, incl. pumping unit and pipe, $10,000. Noted Mar. 24.

Calif Garden Grove—Extending outfall sewer in West Ocean Ave., etc., to P. Barnett, Orange, $31,558.

Calif., Hayward—Vitr. outfall sewer, to M. Murphy, 1321 Milvia St., Oakland, $65,815. Noted Aug. 25.

Calif., Los Angeles—Los Angeles Co., sewer in Cudahy St., Impvt. 548, to M. N. Guho, 5316-8th Ave., $186,859. Engrs. est. $177,113. Noted Sept. 22.

Calif., Monterey—Vitr. sewer, etc. in Pacific St., etc., to C. E. Prentiss, San Jose, $25,420.

Ont., Stamford—Stamford Twp. Council 4 mi. 8 in. and up vitr. tile sewers in various streets, here, to A. Cope & Son, 19 Albert St., Hamilton, $30,327. Noted Sept. 1.

Waste Disposal

Proposed Work

N. J., Linden — Boro plans incinerator. $50,000-$100,000. Engineer not selected. A. F. Weber, mayor.

N. J., Point Pleasant—Bd. Council takes bids about Oct. 10, septic tank. $150,000. R. Havens, 431 Railroad Sq., engr. Noted Sept. 22.

Contracts Awarded

N. J., West Orange—Bd. Council, Town Hall, 2 story, brick, steel and concrete incinerator, to Nye Odorless Incinerator Co., Georgia Life Bldg., Macon, Ga., $60,000.

N. C., Raleigh—City Comn., incinerator, capacity 8 tons per hr. to Nye Odorless Crematory Co., Macon, Ga., $60,000. Noted Sept. 15.

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Bridges

Proposed Work

N. J., Ocean City—Ocean City-Longport Automobile Bridge Co., plans bridge from here to Fish Factory Island. $600,000. Engineer not selected.

Pa., Pittsburgh — Dept. Pub. Wks. soon takes bids bridge over Pennsylvania R.R. tracks, on South Aiken Ave. $203,000. Bureau of Bridges, City County Bldg., engrs.

Pa., Pittsburgh—Dept. Pub. Wks. making plans bridge, on Elizabeth St., Hazelwood, $145,000; and bridge over Pennsylvania R.R. tracks, 28th St. $184,000. Bureau of Bridges, City County Bldg., engrs.

North Carolina — State Hy. Comn., Raleigh **(S.A.P. means State Aid Project)**, plans rein.-con. bridges, etc. over Tar River, on S.A.P. 182, Pitt Co., $160,000; on S.A.P. 335, Columbus Co., $40,000; also S.A.P. 604, Alexander Co., $48,000. L. R. Ames, Raleigh, engr.

La., Bastrop—Making preliminary plans rein.-con. and steel viaducts over railroad tracks. $75,000 upwards. A. C. Volk, City Hall, engr.

Tenn., Gordonsville — Smith Co. (Carthage) plans steel and concrete bridge over Caney Fork River, near here. To exceed $25,000.

Ohio—See "Streets and Roads."

O., Warren—Plans bridge on West Market St. $229,000.

Mich., Mt. Clemens—Road Comn. Macomb Co. made plans 35 ft. T-beam type rein.-con. girder bridge, 25 ft. roadway over Plum Creek, on Ryan Rd. $50,000. W. Lehner, Ulrich Bank Bldg., engr.

Kan., Kansas City — Wyandotte Co. making surveys and plans reconstructing bridge over Kansas River, recently damaged by fire. $40,000. O. K. Williamson, Kansas City, engr.

Kan., Winfield—Cowley Co., plans two 100 ft. and four 30 ft. span bridge. B. Boyle, Winfield, co. engr.

N. D., Kurts (br. Glen Ullin)—Northern Pacific Ry. Co., H. E. Stevens, ch. engr., St. Paul, Minn., made plans rein.-con. viaduct. $25,000.

Mo., Springfield—C. A. Dickerson, city clk., takes bids about Oct. 4, 1,100 ft. rein.-con., bent and T-beam viaduct on Benton Ave. $200,000. Russell & Axon, 404 McDaniel Bldg., engrs. F. D. Hughes, city engr. Noted July 28.

Tex., Ft. Worth—Making plans and soon takes bids rein.-con. bridge over Marine Creek, on Main St. $35,000. D. L. Lewis, city engr.

Tex., Houston—Made plans bridge over Bualo Bayou. $50,000. J. C. McVea, city engr.

Tex., Laredo — Voted $155,000 bonds, bridges, septic tank, electric traffic signal, and 2 fire stations. Address City Secretary or F. C. Hines, Laredo, engr.

Oklahoma—State Hy. Dept., Oklahoma City, plans 108 ft. steel truss bridge on concrete piers over Cedar Creek, near Cement, Caddo Co., $45,000; 96 ft. steel truss bridge on concrete piers over Cole Creek, near Carnegie, Caddo Co. $40,000; and 200 ft. truss bridge over Rainy Mt. Creek, near Kiowa, Mt. View Co., $60,000. C. R. Mandigo, Capitol Bldg., Oklahoma City, engr.

California—Santa Fe R.R. R. B. Ball, ch. engr., 6th and Main St., Los Angeles, making plans bascule type railroad bridge over Middle River in San Joaquin Co. $400,000.

California—Stanislaus Co. (Modesto) and San Joaquin Co. (Stockton) plan Burneyville Bridge over Stanislaus River. To exceed $30,000. Stanislaus Co. appropriates $20,000 toward cost. J. H. Hoskins, Modesto, surv. former and F. E. Smith, Stockton, surv. latter counties.

Bids Desired

N. Y., Buffalo—Oct. 31, at office Dept. Pub. Wks., Municipal Bldg., substructures of bridges crossing improved channels Buffalo River and Cazenovia Creek in line of Bailey Ave. as relocated; adv. E. N.-R. Sept. 29.

N. Y., Peekskill—Oct. 11, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, constructing Peekskill Creek Trestle, in Bronx Parkway Extension, here. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Sept. 29.

New Jersey—Oct. 10, by State Hy. Comn., Trenton, steel and concrete bridge over Timber Creek, on Route 6, M. P. 28.5, Camden and Gloucester Counties. A. L. Grover, ch. clk.; adv. E. N.-R. Sept. 29.

La., Oak Ridge—Oct. 13, by Police Jury Morehouse Parish, Bastrop, Beouf River Bridge, 323 ft. span creosoted timber, 3 mi. east of here; Norman Bridge, 200 ft. span creosoted timber 4 mi. east of here; and Hamby Slough Bridge, 100 ft. span 4 mi. east of here. J. L. White, parish engr.

Ohio—Oct. 7, by G. F. Schlesinger, Dir. Highways & Pub. Wks., concrete slab bridge on Sect. "D" Ashland-Oberlin Rd., Ashland Co., $9,400; 24 ft. span bridge on Sect. "I" Cambridge-Barnesville Rd., Guernsey Co., $4,626; 5 slap top concrete bridges on Sects. "B" and "C" Mallet Creek-Bay Village, Medina Co., $12,279; and concrete beam bridge on Sect. "B" Loudonville-Lexington Rd., Richland Co., $10,315.

Michigan—Oct. 5, at Macomb Co. Road Office, Mt. Clemens, State Reward Bridge 1 of 50-10-23, Contrs. 1 and 2, two 35 ft. spans for State Hy. Dept., Lansing. C. L. Cowgill, Plymouth, resident engr.

Michigan—Oct. 6, by G. H. Green, resident engr., Alpena, Trunk Line Bridge ex. 1-1, Contrs. 1 and 2, 150 ft. span Pratt truss type, Oscoda Co., for State Hy. Dept., Lansing.

Michigan—Oct. 6, by G. D. Tramp, resident engr., Crystal Falls Trunk Line Bridge 2 of 7-4-2, Contrs. 1 and 2, 70 ft. span, steel deck, Baraga Co., for State Hy. Dept., Lansing.

Ill., Chicago—Nov. 3, by Clerk Sanitary Dist. of Chicago, 910 South Michigan Ave., fabrication, erection and completion double-leaf trunnion bascule bridge over Main Drainage Channel of Sanitary Dist. of Chicago on line of Crawford Ave. T. J. Crowe, pres.; adv. E. N.-R. Nov. 29. Noted Sept. 22.

Kan., Ashland—Oct. 14, by Clark Co., 23 span pile trestle bridge, on K-21, Federal Aid Project 365-A.

California—Oct. 10, at office, R. M. Morton, engr. State Hy Dept., Sacramento, one 30 ft. span and two 14 ft. span rein.-con. girder bridge across Stone Corral Creek, approximately ¾ mi. north of Maxwell, also one 22 ft. span and two 16 ft. span bridge over Funks Slough, 1 mi. south of Delevan, both Colusa Co.; two 30 ft. span bridge approximately 8 mi. north of San Juan Capistrano over Aliso Creek, and two 15 ft. span bridge 2 mi. south of Tustin both Orange Co.; two 40 ft. span bridge over Warm Creek approximately 1 mi. south of San Bernardino, and six 50 ft. span bridge over Santa Ana River approximately 2 mi. south of San Bernardino, also one 29 ft. 10 in. span bridge over Mission Storm Drain, approximately 6 mi. southeast of San Bernardino, all foregoing in San Bernardino Co.

Calif., Riverside — D. G. Clayton, clk. Riverside Co., taking bids rein.-con. arch bridge over Tahquitz Creek, on Riverside-Co. Highway, Route 18-B, 13,500 lb. reinforcing, 15,000 ft. lumber, etc., and bridge over Temescal Wash., on same highway, Route 2, 1,700 tons reinforcing, etc. A. C. Filmour, Riverside, co. engr.

Contracts Awarded

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, bridge over Arthur Kill Rd., to J. E. Walsh, Inc., Tottenville, $17,826. Noted Sept. 15.

N. J., Matawan—Bd. Freeholders Monmouth Co., Court House, Freehold, bridge and dam, here, to R. S. Findlay, Red Bank, $26,679. Noted Sept. 8.

N. J., New Providence—Union Co., Elizabeth, bridge and approaches over Pacific River, here, to H. E. Terrill, Linden, $27,775. Noted Sept. 22.

Pa., Carnegie—Comrs. Allegheny Co., Court House, Pittsburgh, constructing Bridge 6 over Chartiers Creek, here, to J. W. Powers, Spring Garden Rd., Pittsburgh, $79,890. Engrs. est. $100,000.

Pa., Pittsburgh — Superstructure for 4 span, 430 ft. bridge over Pennsylvania R.R. tracks on Millvale Ave., to Independent Bridge Co., May Bldg., $122,400. Noted Jan. 20.

Virginia—James River Bridge Corp., H. H. Little, pres., Norfolk, 300 ft. lift span bridge over James River at Jamestown, also two 90 ft. bascule lift span bridges, one over Chuckatuck Creek, and other over Nansemond River near Suffolk, to Turner Constr. Co., 420 Lexington Ave., New York City, approximately $5,000,000. Noted Jan. 13.

W. Va., Elm Grove (br. Wheeling)—Baltimore & Ohio R.R. Co., H. A. Lane, ch. engr., Baltimore, Md., 700 to 800 ft. steel bridge, 66 ft., here, to Vang Constr. Co., Bessemer Bldg., Pittsburgh, Pa. Engrs. est. $400,000.

North Carolina—State Hy. Comn., Raleigh. rein.-con. bridges, etc. on Project 531, Gulford Co., to N. L. Teer, Durham, $25,617; and on Project 869, Polk Co., to Kiker & Yount, Reidsville, $34,074. Noted Aug. 11.

Bridges (Continued)

Tennessee—State Dept. Highways & Pub. Wks., Nashville **(S.A.P. means State Aid Project and F.B.P. Federal Bridge Project)** to Whiting-Turner Constr. Co., Stewart Bldg., Baltimore, Md., 6 steel span substructure and concrete approach spans for bridge over Tennessee River at Loudon, S.B.P. 1-A, Loudon Co., $520,031; to Hardaway Contg. Co., Columbus, Ga., 5 steel span substructure and concrete approach spans for bridge over Tennessee River at Trotters Landing, S.B.P. 2-A, Benton and Humphreys Counties, $19,723; to Lawrence Constr. Co., Jackson, Miss., 3 concrete deck girder overflow bridges near Trotters Landing, State Highway 1, S.B.P. 2-B, Benton Co., $122,450, and 6 concrete steel bridges over 20 ft. span F.A.P. 213 A and B, Weakley and Obion Counties $133,263; to C. G. Kershaw Constr. Co., Edward Bldg., Birmingham, Ala., 3 steel span substructure and concrete approach spans for bridge over Tennessee River at Savannah, S.B.P. 3-A $505,222, and 3 concrete deck girder overflow bridges on State Highway 15, S.B.P. 3-B $224,029, both Hardin Co.; to Beeler & Co., Johnson City, steel concrete bridge and approach over Wautauga River near Elizabeth, S.A.P. 182-B, Carter Co., $49,397, to W. H. Shons Co., 11 South Liberty St., Freeport, Ill., concrete deck girder bridge over Sulphur Fork Creek near Springfield, S.A.P. 336-B, Robertson Co. $18,968, concrete deck girder bridge and approaches on State Highway 2, S.A.P. 356-C, Hamilton Co., $92,725, and 2 concrete deck girder bridges over Samon Creek and Yellow Creeks, S.A.P. 36-A, Houston Co., $24,493; to J. F. Mullins, Pine Bluff, Ark., 7 rein.-con. timber and steel bridges S.A.P. 360-A and C, Lake and Obion Counties, $47,081; to J. L. Moss, Webster Grove, Mo., 2 concrete culverts on Huntington Rd., F.A.P. 51-A, Carroll Co., $7,958. Grand total $1,765,341. Noted Aug. 4 and 25.

Ky., Calhoun—Calhoun-Rumsey Bridge Co., Toledo, O., 1,060 ft. toll bridge over Green River, here, to Nashville Bridge Co., ft. Shelby Ave., Nashville, Tenn. Engrs. est. approximately $200,000.

Ky., Hazard—State Hy. Dept., Frankfort, two 29 ft. and two 29½ ft. rein.-con. spans and rein.-con. substructure for 180 ft. steel bridge, Perry Co., here, to Vincennes Bridge Co., Vincennes, Ind., $25,432; also 1 span steel superstructure for same, to Tennessee Bridge & Steel Co., Johnson City, $23,608. Noted Aug. 25.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, 0.199 mi. steel bridge on Sect. "E" West Union-Hillsboro Rd., Adams Co., to Brookville Constr. Co., Brookville $23,995; and 154 ft. bridge on Sect. "Corwin" Franklin-Wilmington Rd., Warren Co., to C. H. Hittle, Lebanon, $27,793; concrete beam bridge on 0.02 mi. Sect. "Salineville" Wellsville-Salineville Rd., Columbiana Co., to R. Moore, Ostrander $18,880, and bridge on 0.321 mi. Sect "A" Waverly-Coopersville Rd., Scioto Co., to E. P. Hinton, Chillicothe $23,324; 80 ft. steel plate bridge on Sect. "C" Haysville-Nashville Rd., Ashland Co., to Funk & Kyler, Jeromeville, $8,365; rein.-con. arch bridge on 0.162 mi. Sect. "S" Cleveland-East Liverpool Rd., Columbiana Co., to H. C. Armstrong, Lisbon, $33,671; 4 concrete slab bridges on Sect. "Rodgers East" Lisbon-East Palestine Rd., to Allison-Harris Constr. Co., East Liverpool, $38,083; also widening 2 bridges on Sect. "F" Urbana-Marysville Rd., Champaign Co., to T. Prugh, London $5,694, and I-beam steel bridge on Sect. "A" Carthage-Hamilton Rd., Hamilton Co., to V. F. Hughes, Hamilton $2,833. Grand total $182,598. Noted Sept. 1.

O., Cincinnati—C. O. Sherrill, city mgr., City Hall, two 75 ft. span concrete and steel bridge over West Fork Creek, to Gradison Constr. Co., 701 1st Natl Bank, $29,020. Engrs. est. $35,000. Noted Aug. 25.

O., Cleveland—Cleveland Union Terminal Co., C. L. Bradley, pres., 600 ft. rein.-con. and steel bridges, 66 ft., on Bway., to W. J. Schirmer Co., 1720 Euclid Ave. Engrs. est. $400,000. Noted Sept. 15.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 2,872 ft. rein.-con. bridge on Wooster Pike, to M. E. Nelson, United Bank Bldg., $65,674.

O., Dayton—Montgomery Co., Court House, superstructure 200 ft. span through truss steel highway bridge, 20 ft. over Twin Creek, on Oxford Rd., German Twp., to Central States Bridge Co., 601 Beecher St., Indianapolis, Ind., $37,390. Noted Aug. 25.

O., Lisbon—Comrs. Columbiana Co., constructing bridge at East Liverpool, to H. C. Armstrong, $33,672. Engrs. est. $35,000. Noted July 22.

Michigan—Amer. Transit Co., 1224 Dime Bank Bldg., Detroit, and 100 Bway, New York City, constructing main and anchorage piers for International Bridge, having 1,800 ft. clear span, 135 ft. high; caissons for foundation to be 22 ft. wide, 118 ft. deep, and 104 ft. long over Detroit River between Detroit and Windsor, to Foundation Co., Fulton Bldg., Pittsburgh, Pa. Noted May 12.

Michigan—E. R. Benkert, resident engr., Port Huron, Trunk Line Bridge 1 of 77-6-3, Contr. 1, two 25 ft. spans, St. Clair Co., to Bishop & Weir, 955 East Jefferson St., Detroit, for State Hy. Dept., Lansing. $26,143.

Michigan—At Genesee Co. Road Office, Flint, Trunk Line Bridge 1 of 25-16-5, two 55 ft. spans, for State Hy. Dept., Lansing, Contr. 1, to McClintic-Marshall Co., 1242 Book Bldg., Detroit, $4,516; and Contr. 2, to E. C. Nolan & Son, Detroit, $31,711. Noted Sept. 1.

Michigan—C. L. Cowgill, resident engr., Plymouth, F. A. Bridge 2 of 50-13-5, Contr. 1, two 50 ft. spans, Macomb Co., for State Hy. Dept., Lansing, Contr. 1, to McClintic-Marshall Co., 1242 Book Bldg., Detroit, $4 409; and Contr. 2, to T. E. Currie Co., 909 Transportation Bldg., Detroit, $20,173. Noted Sept. 1.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 72, Sect. 113-B, Carroll Co., to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $11,045; and bridge on Route 182, Sect. 101-B, Marion Co., to Chernus Constr. Co., Sioux City, Ia., $20,745.

Wisconsin—State Hy. Comn., La Crosse, constructing Bad Axe Bridge, Job 5022, Vernon Co., to Lakeside Bridge & Steel Co., North Milwaukee St., Milwaukee, $83,155.

Wis., Milwaukee—Bd. Harbor Comrs., dredging near Kinnickinnic River and depositing earth at east side Jones Island, for Milwaukee Co., to Great Lakes Dredge & Dock Co., 216 West Water St., at $0.3125 per cu.yd. Engrs. est. $31,500.

Kansas—State Hy. Comn., Topeka, bottom chord arch bridge, on Federal Aid Project 243-A, Pottawomie and Wabaunsee Counties, to Western Bridge Co., Harrisonville, Mo., $125,333.

Kan., Seneca—See "Streets and Roads."

Missouri—State Hy. Comn., Jefferson City, two 6 ft. rein.-con. slab spans, etc. over creek, two 20 ft. rein.-con. slab and one 35 ft. rein.-con. deck girder spans, etc., over Dry Creek, Bollinger Co., to Carte-Harlin Constr. Co., West Plains $949 and $8.844 respectively; two 10 ft. rein.-con. slab spans, etc. over Town Creek, Cass Co., to E. E. Johnson, Carrollton, $3,655; two 10 ft. rein.-con. slab spans over Dry Branch and one 16 ft. timber bridge over Side Ditch, St. Clair Co., to Kelly & Underwood, Granby, $3,940 and $476 respectively; one 60 ft. arch and four 16 ft. rein.-con. slab spans over Horse Fork of Platte River, Clinton Co., to M. Haase, St. Joseph, $10,195; also one 53 ft. and two each 35 and 48 ft. rein.-con. deck girder spans over Missouri Pacific R.R. tracks, Jackson Co., to A. W. Mosley, Kansas City $17,860. Grand total $45,919. Noted Aug. 25.

Oklahoma—State Hy. Dept., Oklahoma City, **(e.e. means engineers estimate)** to Pioneer Constr. Co., 270 Glover Bldg., Kansas City, Mo., 1 span 66 ft. rein.-con. trestle bridge at Westville, Adair Co., $8,069 e.e. $10,000; to D. E. Miser, Rosedale, 2 span 52 ft. rein.-con. trestle bridge at Antlers, Pushmataka Co. $7,692 e.e. $10,000; to Nims & Frost, Hydro, 2,884 ft. pile trestle bridge at Norman, Cleveland Co., $54,495 e.e. $60,000, and bridge on Federal Aid Project 202-B, Grady Co., $52,236 e.e. $55,000; to J. W. Williams, 1100½ West Main St., Oklahoma City, 1 span 110 ft. steel truss bridge on piers at Coalgate, Coal Co., $34,734 e.e. $35,000; to J. Biggs, Clinton, 1 span 132 ft. steel truss bridge on piers at Walters, Cotton Co., $40,910 e.e. $45,000; to Southwestern Constr. Co., Ardmore, 3 span 102 ft. bridge at Mill Creek, Johnston Co., $11,490 e.e. $15,000; to F. E. Watson, 901 McLish St., Ardmore, 4 span 264 ft. steel truss bridge on piers at Overbrook, Love Co., $33,452 e.e. $40,000; to L. Sanders, 2916½ North Hudson St., Oklahoma City, 1,046 ft. pile trestle bridge at Ringwood, Major Co., $30,379 e.e. $35,000; to Gaines, Yokum & Mackey, 519½ West Main St., Oklahoma City, 1 span 110 ft. steel truss bridge on piers at Morrison, Noble Co., $53,358 e.e. $58,000, 1 span 118 ft. steel truss bridge on piers at Pawnee, Pawnee Co., $23,663 e.e. $25,000, 2 span 146 ft. steel truss bridge on piers at Cleveland, Pawnee Co $53,969 e.e. $55,000, bridges on Federal Aid Project 198, Payne Co., $41,132 e.e. $42,000, 3 span 330 ft. steel truss bridge on concrete piers and rein.-con. trestle approaches at Seminole, Seminole Co., $29,248 e.e. $30,000, also 6 span 118 ft. rein.-con. trestle bridge at Lima, Seminole Co., $20,521 e.e. $25,000. Grand total $495,348. Noted Aug. 25.

Dams

Bids Desired

N. Y., Rye—Oct. 10, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, stone faced rein.-con. dam and sluiceway in Manursing Island Park, here; adv. E. N.-R. Sept. 29.

S. D., Mitchell—Oct. 3, by T. Eastcott, city aud., earth dam, concrete spillway and bridge across Firesteel Valley, 94,508 cu.yd. fill in dam, 568,400 lb. steel and 106,000 ft. timber sheeting, 3,677 sq.yd. concrete paving spillway, 88,249 lb. structural steel beams and 42,052 lb. reinforcing rods, etc.

Railways

Proposed Work

Indiana—Lake Erie & Fort Wayne R.R. Co., D. N. Foster, pres., Ft. Wayne, plans 5,700 ft. railroad extension from present southwesterly terminus connecting with tracks of Wabash Ry. Co., in Allen Co. $25,000.

Ontario—Toronto Transportation Comn., Front and Yonge Sts., Toronto, D. W. Harvey, engr., plans double tracking 3 mi. Scarborough Radial from Toronto to Scarborough Bluffs. $530,000.

Contracts Awarded

New York—New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., grading 10 mi. for widening existing lines to 4 tracks, incl. 400,000 cu.yd. dry dock excavation, culverts and underpass from Garrison to Beacon, to Walsh Constr. Co., 403 Herald Bldg., Syracuse.

Minnesota—Cloquet Lumber Co., Cloquet, 36 mi. logging railroad between Cascade, Minn. and Canadian border, to Campbell & Shells, Cloquet, $375,000 cost plus percentage basis.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Ill., Belleville—See "Sewers."

Tex., Brownwood—Brown Co. Water Impvt. Dist. 1 making revised plans 125,000 acre ft. dam, point 9 mi. from here, near intersection Colorado River tributaries Jim Ned Creek and Pecan Bayou, irrigating 25,295 acres land. $250,000.

Tex., Galveston—City, c/o J. M. Murch, aud., soon takes bids intracoastal canal. $74,000 bonds voted for same.

Tex., Garwood—J. Lehrer making plans diverting approximately 60,000 acre ft. water per year from Brazos River, irrigating 3,000 acres land. $60,000. Private plans.

Ont., Ottawa—Dept. Rys. & Canals soon takes bids rein.-con., retaining wall. $150,000. A. T. Phillips, Birks Bldg., Spark St., engr.

Bids Desired

N. Y., Buffalo—Oct. 4, J. P. Moore, comr. Dept. Parks & Pub. Bldg., City and county Hall, excavation and foundation work for city hall. J. J. Wade, consult. engr. Noted Aug. 5, 1926 under "Buildings—Commercial."

Pa., Phila.—Oct. 5, by Dept. Pub. Wks., Bureau of Engineering, Bridge Div., 401 ft. retaining wall, approximately 20 ft. high for east approach of Green Lane Bridge.

Louisiana—Oct. 18, by State Hy. Comn., Baton Rouge, embankment on Chef Menteur Highway, Federal Aid Project 201-G, St. Tammany Parish. N. W. Bowden, Baton Rouge, ch. engr.; adv. E. N.-R. Sept. 29.

Louisiana—Sept. 23, by Bd. State Engineers, 213 New Orleans Court Bldg., New Orleans, 6,400 ft. levee on right bank Red River on Rapides Island, Rapides Parish, for Natchitoches Sub-Dist. of Red River, Atchafalaya & Bayou Boeuf Levee Bd., also 4,322 ft. on Alexandria Front, and

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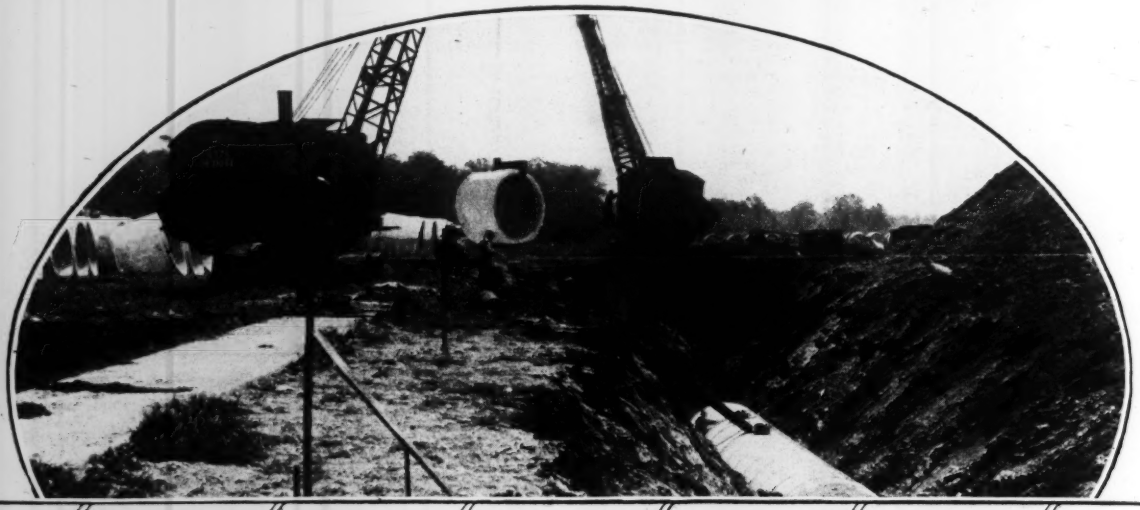

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Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

3,435 ft. on Richardson Point, for Red River, Atchafalaya & Bayou Boeuf Levee Dist.

Ill., Rochelle—Oct. 4, by Commissioners Kyte River R. D. 2, at office Gardner & Gardner, attys., Rochelle, 2 tile drainage and 1 open ditch laterals, culverts, etc., incl. 21,000 cu.yd. excav., etc.

Ill., Tinley Park — Oct. 5, by Commissioners D. D. 3, Bremen State Bank, 2.25 mi. trenches for 10,900 ft. 14- to 28-in. tile, etc. E. Reimer, clk.

Ia., Maquoketa—Oct. 4, by Auditor Jackson Co., 15,000 cu.yd. channel excav. T. E. Riley, Maquoketa, co. engr.

Tex., Freeport — Freeport Navigation Dist., Freeport, taking bids and open same in November, diverting Brazos River 7 mi. from present mouth and emptying into Gulf of Mexico point 6½ mi. west of present outlet, incl. removal 5,500,000 yd. drift, etc. $1,500,000. Private plans.

Contracts Awarded

Mass., Boston—Park Dept., excavating and dredging Muddy River and banks for Lagoon, to A. G. Tomasello & Son, 68 Devonshire St., $12,650. Engrs. est. $15,000.

N. Y., North Tarrytown (Ind. br. Tarrytown)—Westchester Co. Park Comn., 73 West Pondfield Rd., Bronxville, dredging in Hudson River, constructing dikes, filling swamp, area east of New York Central R.R. tracks and filling beach at Kingsland Point Park, here, to Metropolitan Contg. Co., 17 State St., New York City, $52,602. Noted Aug. 18.

N. J., Sea Girt—Boro Council, 6 creosoted timber jetties on Ocean front, near Sea Girt Ave., to Woolley & Howland, 99 Atlantic Ave., North Long Beach. Noted Sept. 1.

La., Shreveport—Constructing 2 and 3 row pile dike and mattress work on Red River, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $43,548.

Calif., Los Angeles — Los Angeles Co., 45,000 cu.yd. material placed in levee for protection work along Big Tujunga, to Callahan Constr. Co., California Bldg. at $0.34 per cu.yd., 132,000 sq.ft. wire and rock mattress levee protection, to G. L. Ritchie, 6418½ Hollywood Blvd., $0.29 per ft.

Streets and Roads

Proposed Work

Mass., Newton (Ind. br. Boston)—Plans grading Hawthorn and Laurel Aves., George, Kenmore and Tolman Sts., Charlotte, Winchester, Whittier and Winslow Rds. $45,245 appropriation. Private plans.

N. J., Haddonfield—Camden Co. (Camden), plans extending 3 mi. Haddon Ave., here. $125,000. J. L. Albertson, Camden, engr.

N. J., Harmony (mail Philipsburg)—Warren Co., Belvidere, making plans grading 4 mi. Valley-Harmony Rd. H. Vetter, Belvidere, engr.

Pa., Pittsburgh — Soon takes bids constructing 5,000 ft. Irvine St., 60 ft.; and eliminating grade crossing over Baltimore & Ohio R.R. tracks at 2nd Ave., Hazlewood. $500,000. Bureau of Highways, Dept. Pub. Wks., engrs.

Pa., Pittsburgh—Takes bids in spring extending (by cutting through) North Ave. between Allegheny Ave. and Fayette St. $132,000. Bureau of Highways, Dept. Pub. Wks., engrs.

North Carolina—State Hy. Dept., Raleigh, plans clearing, grading, etc. 3.957 mi. Project 776, Wilkes Co. $26,000, 8.19 mi. Project 561, Montgomery Co. $53,000, and 15.146 mi. project 335, Columbus Co. $75,000; grading and top soiling, etc. 15.062 mi. Project 4780, Harnett Co., $90,000; grading and concrete or asphaltic paving 15.9 mi. Project 286, Wayne Co. $342,000, and 4.91 mi. Project 1051, Beaufort Co. $105,000. L. R. Ames, Raleigh, engr.

Miss., Kosciusko—Attala Co. voted $70,000 bonds, grading, graveling, etc. from Dist One to Choctow Co. line.

La., Bastrop—Making preliminary plans grading, curbing, and hard-surfacing 12 blocks various streets. A. C. Volk, City Hall, engr.

La., Monroe—Takes bids in 1928, grading, curbing and concrete or asphaltic concrete paving various streets.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, rejected bids Sept. 9, paving, etc. 1.229 mi. Sect. "Mingo Junction South" Ohio River Rd., Jefferson Co.; also bridges and culverts on Sects. "K," "L" and "M" Pomeroy-Jackson Rd., Meigs Co. Noted Sept. 22.

Ind., Anderson—Plans concrete paving 4 mi. 2nd and Sycamore Sts., 30 ft. $30,000. M. H. Downey, city engr.

Ind., Indianapolis—Bd. Wks. plans asphalt and concrete paving Shelby St. $172,000 and $154,000 respectively. P. Brown, City Hall, engr.

Michigan—A. R. Schaefer, resident engr., Newberry, takes bids about Oct. 15, grading 3 mi. Federal Aid Rd. FO55-9, Contr. 1, Menominee Co., for State Hy. Dept., Lansing.

Mich., Birmingham—Making plans macadam paving 3 mi. various streets, 20 ft., $74,000. McGaughan & Ransom, Pontiac Bank Bldg., Pontiac, engrs.

Mich., Detroit—Making plans stone or concrete curbing and 3½ in. sheet asphalt on 8 in. concrete paving 52,600 sq.yd. McBrearty Pl., Revere, Alcoy, Marjorie and Marlowe Sts., Electric, Strasburg and Cristy Aves. $198,470. P. A. Fellows, city engr.

Ill., Chicago—West Chicago Park Comrs., Union Park, J. D. Robertson, pres., plans asphalt on 8 in. concrete paving 83,201 sq.yd. streets in Garfield Park, 58,929 sq.yd. in Douglas Park; and 837,300 sq.yd. Jackson, Washington, Oakley, Sacramento, Homan, Augusta, and Oakley Blvds., Warren, Hamlin and Kedzie Aves. $7,469,548.

Ill., Edwardsville—Madison Co. plans grading, concrete or gravel surfacing, etc. 40 mi. various roads, 18 ft. $1,000,000. W. E. Howden, Court House, engr.

Ill., Tessville (mail Morton Grove)—Made plans rein.-con. paving 2 mi. Devon Ave., 20 ft. $110,000. Baker, Flavin, Sheets & Wallace, 35 East Wacker Dr., Chicago, engrs.

Minn., Duluth—Making plans one course concrete paving, etc. 2,400 ft. East 4th, 38 and 40 ft. $44,822. J. Wilson, City Engrs. Office, engr.

Kan., Osborne—Making preliminary plans improving various streets. To exceed $25,000. C. A. Haskins, 822 Finance Bldg., Kansas City, Mo., engr.

N. D., Minot — Plans paving approximately 8 blocks streets in Dists. 30, 32 and 33. $32,000. W. W. Peterson, city engr.

Mo., Neosho — Rejected bids concrete paving 13,050 sq.yd. High, Coler and Wood Sts., etc. To exceed $25,000. Will re-advertise. Black & Veatch, Mutual Bldg., Kansas City, engrs. Noted Sept. 22.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making plans alternate types paving, etc. Edna Dover, Potomac, Leona, Cornelia and Clarenden Sts., Botanical, Compton, Southwest, Wade, Oleatha, Cook, Evans, Kensington, and West Belle Aves. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Made preliminary plans alternate types paving, etc. Dryden, Floy, Parker, Radom, Steffens, and Newstead Aves., Marcus, Hornsby, Fyler, Oak Hill, Tholozan, Montana, Laurel and St. George Sts. W. W. Horner, 300 City Hall, engr.

Ark., Helena—Soon takes bids grading, curbing and hard surfacing 20 blocks on Rightor, Poplar, Market and Franklin Sts. approximately $65,000. Parmalee, Green & Newman, Helena, engrs.

Ark., Hope — Making preliminary plans grading, curbing and paving 20 blocks, in street paving Dist. 9; also curbing and guttering in Dist. 5. Richardson Ayres, Hope, engr.

Ark., Hot Springs — Soon takes bids grading, paving, etc., Pullman St., Dist. 104; West Grand Ave. Elm, Orange, Olive, Oak, School, Hazel, Woodbine and Parker Sts. in Dist. 106; grading, curbing and guttering, etc. 5 blocks Cedar St., in Dists. 107 and 108; and 4 blocks Magnolia St., etc., in Dist. 110. Smith & Annen, City Hall, engrs.

Ark., Little Rock—J. Matthews, city comr. 121 West 2nd St., soon takes bids grading and 6 in. concrete paving 3 mi. Batesville-Cut-off, 18 ft. Ford & MacCrea, Gazette Bldg., engrs.

Ark., Searcy—Soon takes bids grading, curbing and concrete paving 10 blocks Street Impvt. Dist. 10.

Ark., Wynne—Soon takes bids grading, curbing and concrete paving 46 blocks Street Impvt. Dist. 1.

Tex., Austin—Making plans concrete paving 34 Sections alleys, 20 ft. $40,200. O. E. Metcalfe, city engr.

Tex., Brownsville—Cameron Co. making plans grading, etc. 8 mi. State Highway 96 from Harlingen to Wilbarger Co. line. $80,000. W O. Washington, Brownsville, engr.

Tex., Carrizo Springs—Dimmit Co. making plans grading and bridging 8.9 mi. Highway 55 from Sta. 10-80 east to point ½ mi. Catarina. J. G. Lott, Carrizo Springs, co. engr.

Tex., Colorado—Mitchell Co. making plans grading and bridging 9.5 mi. Highway 1 from Howard Co. line to Westbrook. $60,000. G. S. Hiland, Colorado, engr.

Tex., Cuero—Voted $45,000 bonds, paving various streets. Address Mayor.

Tex., Hearne — Making plans and takes bids about Oct. 10, paving various streets. $80,000. H. E. Elrod, 209 Mercantile Bank Bldg., Dallas, engr. Noted Sept. 22.

Tex., Houston—Making plans 2 in. asphalt on 6 in. concrete paving 2,300 ft. Herman Ave., 50 ft. $40,000. J. C. McVea, city engr.

Tex., Laredo—Voted $175,000 bonds, paving various streets. Address City Secretary or F. C. Hines, Laredo, engr.

Tex., Lufkin—Angelina Co., defeated $1,500,000 bonds, paving main unpaved roads. Address R. A. Courtney, Lufkin, co. judge.

Tex., Victoria—Victoria Co. voted $175,000 bonds, hard-surfacing Highway 12. Address P. P. Putney, Victoria, co. judge.

Tex., Waxahachie—Ellis Co. made plans asphaltic macadam on crushed stone surfacing 4.832 mi. Highway 34, 18 ft. $73,790. W. A. Spalding, Waxahachie, co. engr.

Okla., Frederick—Plans grading, curbing and 6 in. concrete paving 8,740 sq.yd. 15th St. $28,761. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Oklahoma City—Plans sheet asphalt paving 6,275 sq.yd. Paseo St. $31,473. B. M. Hart, City Hall, engr.

Colorado—State Hy. Dept., Denver, made surveys and soon takes bids grading and gravel surfacing, etc., 7 mi. highway between Pueblo and Walsenburg, Pueblo Co. $120,000. L. D. Blauvelt, Denver, state highway engr. J. D. Bell, Court House, Pueblo, div. engr.

Idaho — State Hy. Comn., Boise, plans oiling Buhl-Filer Sect. Old Oregon Trail, Twin Falls Co. $60,000. J. D. Woods, comr.

Nev., Lovelock—Plans extending waterworks and replacing red wood pipe with approximately 10 in. c.i. pipe. $15,000. King & Malone, Claudines Bldg., Reno, engrs.

Ore., Portland—Takes bids about Nov. 1, improving Terwillinger Blvd. $98,801. O. Lourgard, City Hall, engr.

California—State Hy. Dept., Sacramento, making surveys constructing 3½ mi. road from Del Norte Co. to south boundary Richardson Creek, Humboldt Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Beverly Hills — Plans asphaltic concrete paving, etc. Benedict Canyon Dr. To exceed $25,000.

Calif., Chico — Making plans grading, curbing, guttering and asphaltic concrete paving, etc. portions Poplar, Cypress and Pine Sts., etc. $25,000 or more. R. H. Witt, city engr.

Calif., Compton — Making plans grading and concrete paving, etc. 118,100 sq.ft. along Long Beach Blvd., Tract 9910 G. Rood city engr.

Calif., Fullerton—City Council soon takes bids grading and paving, etc. various streets in east section city. To exceed $50,000. C. M. Thorpe, city engr.

Calif., Gridley—J. L. Lewis, city clk., rejected bids grading and Warrenite paving, etc., Kentucky and Washington Sts., etc. Noted Sept. 15.

Calif., Monrovia—Plans grading, curbing, guttering, walks and oil macadam paving, etc. Stedman Pl. and White Oak Ave., etc. $25,000 or more.

Calif., Monterey Park — Plans grading and Durite paving, etc. portion Electric Ave., etc. $25,000 or more.

Calif., Monterey Park — Plans curbing, guttering and Durite paving, etc. Mabel and Pomelo Aves., etc. $25,000 or more.

Calif., Oakland — Made plans grading, curbing, guttering walks and 3 in. Warrenite on 4 in. asphalt paving, etc. 104,772 sq.ft. Poplar St. G. N. Randle, city engr.

Calif., Oakland — Alameda Co. made plans, grading, oil macadam paving, etc. 118,000 sq.ft. portion Skyline Blvd. G. A. Posey, Oakland, co. surv.

Calif., Oakland—Alameda Co. plans grading and paving, etc. Lake Chabot Reservoir Scenic Highway. $50,000 funds provided for 1st unit. Total $200,000. G. A. Posey, Oakland, co. surv.

Calif., San Diego — Bd. Supervs. San Diego Co. plans curbing, walks and 4 in. Warrenite surfacing 350,715 sq.ft. and 5 in. concrete paving 22,510 sq.ft. Rolando Unit 4. P. R. Watson, Spreckels Theatre Bldg., supt. work.

Calif., San Luis Obispo—Made plans 2½ in. asphaltic concrete on 6 in. concrete paving, etc. Lower Higuera St. $35,000 or more. L. W. Moore, city engr.

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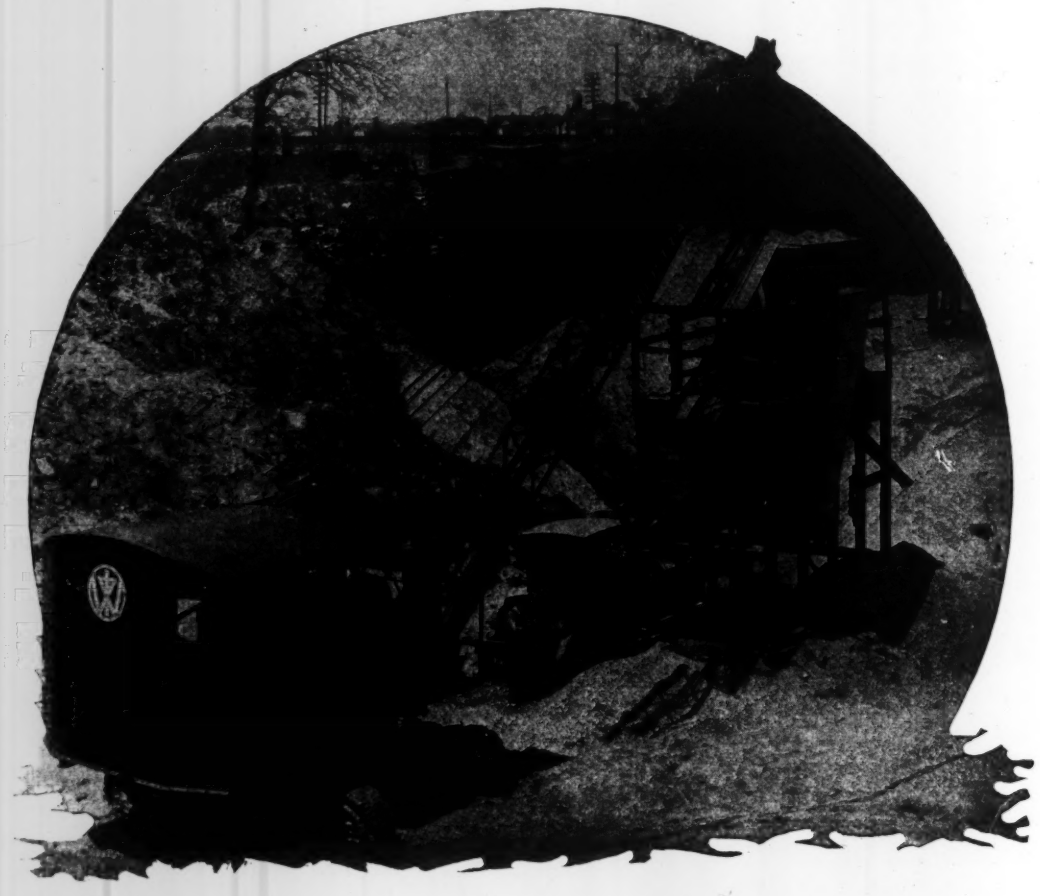

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New York City 50 Church St. | Philadelphia, Pa. Packard Building | Pittsburgh, Pennsylvania Federal Reserve Building | San Francisco, Calif. Monadnock Building

St. Louis, Mo. Railway Exchange Bldg.

Streets and Roads (Continued)

Calif., San Mateo—Plans grading, 6,380 lin.ft. 4- to 24-in. sewers, and 6 in. concrete paving 70,400 sq.ft various streets in Bayshore Highway Tract.

Calif., Santa Paula—Made plans 126,000 sq.ft. 2 in. 10,000 sq.ft. 3 in., and 1,000 sq.ft. 4 in. asphaltic concrete paving, etc. Oakdale Pl., etc. H. R. Reddick, city engr.

Calif., Signal Hill—Plans asphaltic concrete paving, etc. Willow St. and Obispo Ave., etc. To exceed $25,000.

Calif., South Pasadena (Ind. br. Pasadena)—Plans curbing, guttering, walks and concrete paving, etc. Prospect Ave., etc. $25,000 or more.

Calif., Whittier—Making plans concrete paving, etc. Turnbull and Pickering Aves., etc. To exceed $25,000. M. Bowen, city engr.

Ont., Hamilton—Making plans concrete curbing, guttering and sheet asphalt on concrete paving Archibald and Catharine Sts. Hampton and Albany Aves. $30,000. W. L. McFual, City Hall, engr.

Ont Scarborough — Scarborough Twp. making plans asphalt on concrete paving 5,000 sq.yd. Jeavons Ave. and Queen St.; also grading and concrete sidewalks on Colton Ave. $35,000. C. E. Fraser, Kingston Rd., Toronto, engr.

Ont Toronto — Making plans concrete curbing, guttering, and asphalt or bitulithic on concrete paving ¼ mi. Fleet St. $50,000. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp. making plans concrete curbing, guttering and bithulithic concrete on concrete paving 1,200 ft. Dufferin St. $27,745. F. B. Goedike, 40 Jarvis St., engr.

Ont., Windsor — Plans asphalt on 8 in. concrete paving 6,000 sq.yd. Tecumseh Rd. $25,000. M. E. Brian, City Hall, engr. Noted Aug. 11.

Bids Desired

Massachusetts — Oct. 4, by Dept. Pub. Wks., Boston, bituminous macadam paving 22,600 ft. highway in Bernardston, Gill and Northfield. W. F. Williams, comr.

Massachusetts — Oct. 11, by Dept. Pub. Wks., Boston, bituminous macadam paving 21,939 ft. in highway Northampton and Williamsburg, 18 ft. W. F. Williams, comr.

Mass., Boston — Oct. 3, by Dept. Pub. Wks., sheet asphalt or bitulithic paving Dundee St., Ward 4; Eliot St., Ward 19; and Ralston St., Ward 7. $25,000. J. H. Sullivan, comr.

N. Y., New York—Oct. 4, by Park Bd., W. T. Herrick, pres. Park Bd., Arsenal Bldg., Central Park, repaving roadway across southerly portion Crotona Park from Claremont Parkway and Fulton Ave. to Crotona Park East and Wilkins Ave.

N. Y., Long Island City—Oct. 5, by M. E. Connolly, pres Queens Boro, Queens Subway Bldg., grading and sheet asphalt on concrete paving 43rd (Kingsland) Ave. and Northern Blvd.; grading, curbing and sidewalks on Queens Blvd., 114th St., etc.

N. Y., New York—Oct. 5, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and granite block on concrete paving Avenue C; and granite block repaving 94th St.

N. Y., St. George — Oct. 5, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete repaving Gordon St.; grading and paving Quinlan Ave.; also concrete curbing, and vitr. brick guttering paving Victory Blvd.

New Jersey—Oct. 10, by State Hy. Comn., Trenton, grading and 8 in. graveling 35,576 sq.yd. Route 17 South, Sect. 2, Pedricktown Relocation, Salem Co. A. L. Grover, ch. clk.; adv. E. N.-R. Sept. 29.

Pennsylvania — Oct. 14, by State Hy. Comn., Harrisburg, grading, rein.-con. paving, etc., approximately 17 mi. 7 projects in Armstrong, Crawford, Fayette, Jefferson, McKean, Mifflin, Perry and Indiana Counties. J. L. Stuart, acting secy.; adv. E. N.-R. Sept. 29.

Maryland—Oct. 4, by State Roads Comn., Baltimore, concrete paving 0.06 mi. Contr. M-85 Montgomery Co., 1.2 mi. Contr. AA-48 Anne Arnndel Co., and 0.3 mi. Contr. S-28, Somerset Co.; also concrete shoulders on 3 mi. Contr. AB-6-A, Anne Arunde Co. J. N. Mackall, chn.; adv. E. N.-R. Sept. 29.

W. Va., Elkins—Oct. 6, by City Council, concrete paving, etc. 5,300 sq.yd. 1st and Davis Sts. Project 1, and 1,650 sq.yd. High St. Project 6. G. W. Wilson, mayor.

Fla., Palatka — Oct. 5, by Bd. Putnam Co. Bond Trustees, grading, and double surface treating, etc. 5 mi. Bostwick-Palmetto Rd 2½ mi. East Palatka-St. Johns Co. line Rd., 5 mi. Dave Futchs Corner Rd., and 13 mi. Springside-Clay Co. line Rd.

Miss., Hazelhurst — Oct. 7, by Comrs. Copiah Co., improving 3.288 mi. Federal Aid Project 89-A, 21,897 cu.yd. excav., 20,695 cu.yd. borrow, 13,472 lb. reinforcing, 7,900 cu.yd. gravel, etc. H. C. Dietzer, Jackson, engr.

Louisiana—Oct. 6, by State Hy. Comn., Baton Rouge, shell surfacing 0.89 mi. Vinton-Orange Rd., Federal Aid Project 43D, Calcasieu Parish. N. W. Bowden, Reymond Bldg., Baton Rouge, state engr.

Louisiana—Oct. 11, by State Hy. Dept., Baton Rouge, graveling 7.23 mi. Winn Parish-Atlanta-Montgomery Highway, Winn Parish; and 3.215 mi. Grant Parish-Atlanta-Montgomery Highway. N. W. Bowden, Reymond Bldg., Baton Rouge, engr.

Ohio—Oct. 7, by G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, paving, etc. with (a) concrete (b) bituminous macadam 0.984 mi. Sect. "E" Reynoldsburg-Baltimore Rd., Franklin Co. (a) $29,911 (b) $29,886, 3.91 mi. Sect. "D" Jackson-Gallipolis Rd., Jackson Co. (a) $145,559 (b) $146,936, and 3.181 mi. Sect. "I" Bon-Port Clinton Rd., Ottawa Co. (a) $110,500 (b) $111,643; also grading, etc. 4.702 mi. Sect. "A" Malaga-Caledonia Rd., $55,818, and 0.369 mi. Sect. "A" Barnesville-Powhatan Rd., $5,221 both Belmont Co., 3.362 mi. Sect. "D" Dennison-National Rd., Harrison $66,428, and 1.08 mi. Sect. "E" McConnelsville-Cambridge Rd., Morgan Co., $27,309.

O., Columbus — Oct. 4, by W. H. Duffy, dir. Service, grading and paving, etc., 8,865 sq.yd. Ellsworth and Wrexham Aves. brick $66,878, asphalt $63,863; and 3,545 sq.yd. alleys north of Chittenden Ave., Wall and Sycamore Sts. brick $14,394, concrete $11,-174. R. H. Simpson, city engr.

Ind., Anderson—Oct. 15, by Comrs. Madison Co., concrete or asphaltic concrete paving ¾ mi. Morris Rd. in Elwood, 30 ft. $29,000.

Ind., Marion—Oct. 4, by Comrs. Grant Co., graveling, etc. James H. Dollar Rd., Jefferson Twp. A. J. Green, Marion, aud.

Ind., Valparaiso—Oct. 4, by Comrs. Porter Co., graveling 0.5018 mi. Henry Nagel et al Rd. $7,172, and 1.0057 mi. F. W. Schwinkendorf et al Rd. $15,016. C. A. Blachly, aud.

Michigan — Oct. 5, by E. R. Benkert, resident engr., Port Huron, concrete paving 0.886 mi. State Trunk Line Rd. MO77-6, Contr. 1, 20 ft., St. Clair Co., for State Hy. Dept., Lansing.

Michigan — Oct. 7, by H. C. Fleming, resident engr., Grand Rapids, two course graveling 6.874 mi. State Trunk Line Rd. MO46-6, Contr. 1, Oceana Co., 12 ft., for State Hy. Dept., Lansing.

Michigan — Oct. 17, by E. R. Benkert, resident engr., Port Huron, concrete paving 4.114 mi. State Trunk Line Road MO77-29, Contr. 1, and 2.076 mi. M077-22, Contr. 2, St. Clair Co., 20 and 23 ft., for State Hy. Dept., Lansing.

Michigan—Oct. 20, by A. R. Schaefer, resident engr., Newberry, one course graveling 3.474 mi. Federal Aid Rd. FO49-8, Contr. 1, Mackinac Co., 18 ft., for State Hy. Dept., Lansing.

Michigan—Oct. 20, by A. R. Schaefer, resident engr., Newberry, concrete paving 5.374 mi. Federal Aid Rd. FO49-7, Contr. 1, 20 ft., Mackinac Co., for State Hy. Dept., Lansing.

Michigan — Oct. 24, by E. R. Benkert, resident engr., Port Huron, concrete or bituminous macadam paving 2.982 mi. State Trunk Line Rd. MO32-27, Contr. 1, Huron Co., 20 ft., for State Hy. Dept., Lansing.

Ia., Decorah—Oct. 4, by Auditor Winneshiek Co., surfacing secondary road, 5,920 cu.yd. crushed gravel 1 mi. haul, 82,500 units ½ mi. overhaul, 5,920 cu.yd. crushed limestone, etc. F. W. Arneson, Decorah, co. engr.

Ia., Hampton — Oct. 4, at office Auditor Franklin Co., graveling, etc. 3 mi. Secondary Road Dist. 35 and 3.976 mi. Primary-Secondary Project S-39. M. E. Hickethier, Hampton, co. engr.

Minn., St. Paul—Oct. 3, by G. J. Ries, aud. Ramsey Co., alternate types paving approximately 30,000 sq.yd. State Trunk Highway 52. $75,000. P. N. Coates, Guardian Life Bldg., engr. Noted Aug. 18.

Kan., Dodge City—Oct. 15, by Clerk Ford Co., grading and concrete surfacing, etc. 10,683 sq.yd. Project 85-B. J. W. Thornburgh, Dodge City, co. engr.

Kan., Sedan—Oct. 18, by Clerk Chautauqua Co., concrete paving 5,293 sq.yd. Federal Aid Project 384-A. Kansas Eng. Co., 601 Kansas St., Topeka, engrs.

Mo., Clayton—Comrs. St. Louis Co., Court House, taking bids grading and 7 in. concrete paving 3,050 sq.yd. Edmund Ave., Project 466; and 4,320 sq.yd. Louise Ave., Project 467. R. Jablonsky, Court House, co. engr.

Ark., Paris—Oct. 9, by City Comrs., J. J. Wallace, chn., curbing, bridging, sewers and concrete asphalt or brick paving approximately 60,000 sq.yd. Walnut, Magazine and Elm Sts., Street Impvt. Dist. 1. $185,-000.

Ark., Pine Bluff—Oct. 5, by City, grading, curbing, guttering, sewers, 23,705 sq.yd. 6 in. plain concrete paving and 5,075 sq.yd. rein.-con. paving Laurel, Oak, Elm, Poplar and portions 6th and 3rd Sts., Impvt. Dist. 99. G. B. Smith, Natl. Bank Bldg., engr. Noted June 30.

Tex., Houston—See "Contracts Awarded"

Tex., Houston—Oct. 10, by H. L. Washburn, aud. Harris Co., Courthouse, grading, paving, etc., approximately 9.28 mi. Market St. Rd. from San Jacinto River Bridge to Goose Creek, 20 ft. $150,000. Howe & Wise, Courthouse, engr.

Tex., San Antonio—Miller-Darrough Co., 1211 West Mistletoe Ave., taking bids hard paving drives and streets on Vance-Jackson Rd., through 98 acre plot of sub-division, near here. $75,000. Private plans.

California—Oct. 10, at office R. M. Morton, engr. State Hy. Dept., Sacramento, grading and asphaltic concrete paving, etc. approximately 9.3 mi. roadway between Cherry Ave. and San Bernardino, San Bernardino Co.

Calif., Antioch — City Clerk taking bids grading and 5 in. concrete paving 95,000 sq.ft. 3rd, 8th and 10th Sts., etc. R. Naas, city engr.

Calif., Compton — M. Hecock, city clk., taking bids grading and concrete paving, etc., 118,150 sq.ft. Long Beach Blvd. (Tract 9910). G. Rood, city engr.

Calif., Fullerton—F. C. Hezmalhalch, city clk, taking bids curbing, guttering and Topeka on asphaltic concrete paving North Harvard Ave., etc. To exceed $25,000. Former bids rejected.

Calif., Glendale—A. J. Van Wie, city clk., taking bids curbing, guttering, concrete and asphaltic concrete paving, etc. portions 5th St., Park and Glendale Aves., etc. To exceed $25,000. J. F. Johannsen, city engr.

Contracts Awarded

Maine—State Hy. Comn., Augusta, graveling 2.94 mi. highway in Anson, to R. M. Davis, Oldtown, $31,602, and 0.85 mi. in Gouldsboro, to M. Rogers, Bangor, $18,341, also bituminous macadam paving 2.71 mi. highway in Mechanics Falls and Poland, to A. D. Bridges & Son, Hazardville, Conn., $68,025. Grand total $117,968. Noted Aug. 11.

New Hampshire—State Hy. Dept., Concord, 6 in. rein.-con. on 8 in. gravel surfacing 13,291 sq.yd. Daniel Webster Highway in Bedford, to A. D. Bridges & Sons, Inc., Hazardville, Conn., $42,538. Engrs. est. $60,000. Noted Sept. 22.

Massachusetts—State Hy. Dept., Boston, bituminous concrete paving 26,596 ft. highway in Plymouth, 18 ft., to A. D. Bridges Sons, Inc., Hazardville, Conn., $127,247.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 2,582 ft. highway in Beverly, to O. Menici, 27 Matinack St., Peabody $24,994; 6,574 ft. in Buckland, to Kelleher Corp., Turners Falls $82,485, and 2,100 ft. in Clarksburg, to B. Perini & Son, Inc., Ashland $19,836; also bituminous surface treatment on gravel surfacing 2,300 ft. in Spencer, to J. J. McHugh, Leicester, $14,560. Grand total $141,875. Noted Sept. 8.

Mass., Boston — Sheet asphalt or bitulithic paving Commonwealth Ave. and North Dr., to J. McCourt Co., 910 Huntington Ave., $17,675. Engrs. est. $25,000. Noted Sept. 8.

Mass., Boston—Sheet asphalt paving in East Bway., Ward 6, to M. DeMatteo, 14 Rowe Pl., Roslindale, $53,842.

R. I., Providence—Paving Union St. and Chalkstone Ave., etc., to C. W. Blakeslee & Son, 58 Waverly St., New Haven Conn., $22,525. Engrs. est. $25,000.

Conn., New Haven — Asphalt on concrete paving, Grove St. from High St. to Bway., and Grove St. from State to High Sts., to C. W. Blakeslee & Sons, 58 Waverly St., $46,250. Engrs. est. $25,000 or more.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, to A. M. Hazell, Inc., 26 Court St., New York City, grading Avenue U $19,513; to Grimm Contg. Co., 170 McKinley St., sidewalks on Powell St. $1,787, and to Castle Bros., Johnson Pl., Dreamland Parking Area $12,607; to Colgan Contg. Co., 90 William St., New York City, granite block paving Atlantic Ave. $70,170; to B. Turecamo Contg. Co., 8706 Bay 12th St., grading and sheet asphalt paving Benson Ave. $15,265, to M. J. O'Hara, 1228 Park Ave., New York City, Canal Ave. $13,559, Gravesend Ave. $153,-970, and 6th Ave. $18,816, to D. J. McCoy Asphalt Co., Avenue U and East 57th St., East 5th St. $14,710, East 40th St. $7,219, Flatlands Ave. $19,266, and West 12th St. $8,475, to Highway Impvt. & Repair, Co., Furmans Island, Clarkson Ave. $11,700,

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Streets and Roads (Continued)

East 42nd St. $10,044, North 15th St. $17,382, Lefferts Ave. $31,814, and Bulwer Pl. $13,580, to Uvalde Asphalt Paving Co., 1 Bway., New York City, East 98th St. $9,963, Junius St. $11,037, Utica Ave. $61,388, East 38th St. $11,242, and East 94th St. $73,620, to Cranford Co., 52 9th St., Gravesend Ave. $151,594, Avenue O $4,469, 17th Ave. $9,670, 45th St. $13,648, 51st St. $11,352, 62nd St. $8,817, 64th St. $11,961 and Benson Ave. $27,042, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, Meserole St. $4,996, various streets $30,450, and Washington Ave. $3,243, to Cleveland Trinidad Paving Co., Flushing, Rutland Rd. $5,275, to Brooklyn Alcatraz Asphalt Paving Co., 407 Hamilton Ave., Narrows Ave. $17,124, Avenue S $28,134, East 9th St. $3,325, Glenwood Rd. $51,914, Avenue M $20,578, 14th Ave. $28,019, Hinckley Pl. $7,915 and 21st Ave. $10,473. Grand total $1,057,126. Noted Sept. 1.

New Jersey—State Hy. Comn., Trenton, grading and 8 in. double line rein.-con. paving 11,156 sq.yd. Route 18 (South) Malaga relocation and grade crossing elimination, Gloucester Co., to Burket Constr. Co., Vineland, $60,190. Noted Sept. 1.

New Jersey—State Hy. Comn., Trenton, grading and rein.-con. paving 1.5 mi. Route 14, Mays Landing, Atlantic Co., to Mazzola & Marano, Inc., 739 South 7th St., Phila., Pa., $227,678. Noted Aug. 25.

N. J., Hackensack—Bd. Freeholders Bergen Co. Court House, asphalt on concrete paving Riverdale Rd., to G. C. Bennett, Railroad Ave., Park Ridge, $49,919; also Prospect St. and West Allendale Ave., to Harper Bros., 322 Essex St., $34,912.

N. J., Plainfield—Grading Watchung Ave. from Charlotte Rd. to Fernwood Ave., to Villa Bros., North Washington St., Westfield, $8,940. Noted Aug. 18.

N. J., West Collingswood—Haddon Twp. Com., asphaltic macadam paving 1 mi. various streets in Haddon, Leigh and West Collingswood extension, to E. R. Moorehouse, 1301 Park Blvd., Camden, $42,721.

Pa., Phila.—Dept. Pub. Wks., Bureau Highways, to A. Scull, 2313 Walnut St., grading Montgomery St. $1,208, to Wilson-Martin Inc., 1501 North 2nd St., Pickwick St. $779, improving Ditman and Filter (country) Rds. $7,464, Dorcas, Dungan and Montour Rds. $8,385, and Kerper Rd. $1,746; to McCarrick Bros., 3240 Fox St., grading Pike St. $3,456, and to T. P. Lee, 5629 Cherry St. Woodbine St. $13,898; to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., asphalt paving (assessment work), Aramingo St. $18,468, Champlost St. $7,178, Courtland St. $4,825, and Crispin St. $14,961, to Barber Asphalt Co., 239 North 30th St., Bambrey St. $3,456, Cora and 2nd Sts. $8,986, Island Ave. $33,940, Jackson St. $7,978, Rorer St. $3,895, 15th St. $6,683, 33rd St. $7,629 and Jackson St. $12,593, to Eastern Asphalt Co., Penna. Bldg., Ditman St., $9,414, Midvale St. $68,291 and Sanger St. $14,888; to Union Paving Co., 123 South 21st St., asphalt repaving Chestnut St. $127,662; to J. Salvucci, 512 North 65th St. improving Bean and Eva (country) Rds. $16,132, to Curtis Bros., State and Unruh Rds., Maple Rd. $8,202; also to McHugh & Lucas, Peoples Bank Bldg., repairing Front Street Bridge over Pennsylvania R.R. tracks $4,105. Grand total $416,222.

Pa., Pittsburgh — Grading, curbing and paving Macon Ave., Watson Blvd., Standish and Kirkpatrick Sts., etc., to M. O'Herron Co., South McKean St. $74,245. Engrs. est. $75,000.

Pa., Pittsburgh—Constructing trails and walks in new Frick Woods Park, to J. Ferrone, c/o Union Trust Co., Union Trust Bldg., $27,090. Engrs. est. $30,000.

Pa., Pittsburgh—Allegheny Co., general contract paving roadway on Liberty Bridge, to Dunn & Ryan, 3918 Swineburn Ave., $139,063. Engrs. est. $150,000.

Delaware—State Hy. Dept., Dover, grading and concrete paving, etc. 8,486 sq.yd. road from Stanton to Lincoln Highway, to D. E. O'Connell & Son, Ridley Park, Pa., $35,149, and 29,430 sq.yd. Philadelphia Pike, to George & Lynch, Dover, Del., $185,490, both in New Castle Co.; also 33,943 sq.yd. Little Creek Lipsic Rd., Kent Co., to E. R. Mixier Co., Goshen, N. J., $115,029. Grand total $335,668.

Maryland—State Roads Comn., Baltimore, concrete paving 1 mi. Contr. AA-53, Anne Arundel Co., to F. M. Duvall, St. Margarets $23,378. 1.6 mi. Contr. H-56, Harford Co., to Sutton Contg. Co., Jefferson Bldg., Phila., Pa. $33,397. 2 mi. Contr. M-80, Montgomery Co., to M. J. Grove Lime Co., Lime Kiln $45,403, and 1.5 mi. Contr. G-30-A, Garrett Co., to Tri State Eng. Co., Cumberland $46,468; amiesite and Kentucky rock asphalt paving 0.54 mi. Contr. A-47, and concrete shoulders on Contr. 48-B, both Allegany Co., to S. T. Brotemarkle, Cumberland, $24,229 and $22,305 respectively. Grand total $195,180.

Maryland — State Roads Comn., Baltimore, amiesite paving 0.91 mi. Contr. S-4-A, Somerset Co., to Hannemann-Burroughs Co., Salisbury, $12,798; and graveling 2 mi. Contr. SM-40, St. Marys Co., to Jarboe & Haughton, Mechanicsville, $15,273. Noted Sept. 15.

Md., Baltimore—Bd. Awards, sheet asphalt paving 10,820 sq.yd. streets listed in Contr. 431, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R., $53,363; grading 31,500 cu.yd. Contr. 432, to T. Mullan, 3949 Greenmount Ave., $13,828; and concrete paving 6,780 sq.yd. Contr. 433, to J. A. Lavezza, 911 Eastern Ave., $13,186: Grand total $80,377. Noted Sept. 15.

Md., Baltimore—Bd. Awards, sheet asphalt paving 10,300 sq. yd. streets listed Contr. 420, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $50,148.

Md., Baltimore—Bd. Awards, sheet asphalt paving 17,190 sq.yd. Contr. 429, to Amer. Paving & Contg. Co., Montebello Ave., $66,179; concrete paving 7,440 sq.yd. Contr. 430, to Arundel Contg. Co., Knickerbocker Bldg., $16,055. Noted Sept. 1.

West Virginia—Concrete surfacing 5 mi. Gossaway-Frametown Rd. Projects 3110 and 3157, Braxton Co., to O. B. Bracht, Titusville, Pa., $221,412. Noted Sept. 8.

W. Va., Wheeling—For 8 in. rein.-con. paving portion 29th St. and Elmgrove Blvd., to H. L. Seabright Co., 70 43rd St., $94,312.

North Carolina—State Hy. Comn., Raleigh, grading and top soiling, etc. 7.96 mi. Project 531, Guilford Co., to N. L. Teer, Durham $50,643, and 5.31 mi. Project 636, Gaston Co., to C. B. Hester, Greensboro $36,381; clearing, grubbing and grading, etc. 8.49 mi. Project 869, Polk Co., to W. H. Anderson Constr. Co., Ashville, $93,367; grading and plain concrete paving 7.12 mi. Project 2160, Craven Co. and 8.95 mi. Project 2701, Sampson Co., to F. J. McGuire, Bankers Trust Bldg., Norfolk, Va., $141,670 and $162,983 respectively; grading and sand asphalt paving 8.68 mi. Project 1770, Perquimans Co., also grading and plain concrete paving 5.87 mi. Project 6760, Rowan Co., to Highway Eng. & Constr. Co., Selbyville, Del., $139,807 and $134,211 respectively; one course gravel surfacing 8.3 mi. Project 1312, and 9.38 mi. Project 1311, Gates Co., to Gregory & Weisiger, Pittsboro, $44,460 and $51,364 respectively, also 8.1 mi. Project 1310, Gates Co., to Stoney Creek Sand & Gravel Co., Elizabeth City, $38,479. Grand total $893,365. Noted Aug. 11.

Fla., Daytona Beach—W. A. Richards, city mgr., Warrenite bitulithic on rolled coquina rock paving 2nd Ave., Main and 5th Sts. to Southern Paving & Constr. Co., Leesburg, $259,371.

Tennessee—State Dept. Highway & Pub. Wks., Nashville **(F.A.P. means Federal Aid Project and S.A.P. State Aid Project)**, grading, etc. 1.87 mi. State Highway 1, S.A.P. 2-C, Benton and Humphreys Counties, and 2.956 mi. Crump-Savannah Rd., S.A.P. 311-D, Hardin Co., to Gifford-Hill, Inc., Dallas, Tex. $72,186 and $121,251 respectively, 10.858 mi. F.A.P. 213-A and B, Weakley and Obion Counties, to Brady Bros., Hagler & McDade, Fulton, Ky. $75,110, 1.469 mi. Harrogate-Cumberland Gap Rd., S.A.P. 319-C, and 0.81 mi. Powell River Bridge Rd., S.A.P. 319-B, both Claibourne Co., also concrete girder bridge and approaches over Bull Creek, S.A.P. 355-A, Union Co., to Rivinac Constr. Co., Del Rio, $47,257, 12.41 mi. Lauderdale Co. line-Brownsville Rd. incl. bridge over 20 ft. span S.A.P. 558-A, Haywood Co., to Cresap Bros., Humboldt $71,590, 15.763 mi. Huntsville-Pioneer Rd., incl. 5 bridges over 20 ft. span S.A.P. 359-A and B, Scott and Campbell Counties, J. A. Kreis Son, 307 Burwell Bldg., Knoxville, $297,738, 11.597 mi. Tiptonville-Dyer Co. Line Rd., S.A.P. 360-A and C, Lake and Obion Counties, to S. R. Hall, Newbern $57,672, 10.689 mi. Tiptonville-Kentucky State Line Rd., S.A.P. 360-B, Lake Co., incl. 3 creosoted timber bridges over 20 ft. span, and concrete paving 18.386 mi. Memphis-Kentucky State Line Rd., F.A.P. 36-B, C and D, Shelby Co., to Lawrence Constr. Co., Jackson, Miss., $38,866 and $192,160 respectively; grading, etc. 14.733 mi. Kenton-Union City Rd., S.A.P. 364-A and C, Obion Co., to G. W. Turner & Co., 280 Ayers Ave., Memphis, using concrete pipe $95,533, and Sect. B same road, to Thompson & Moseley, 602 Tampa St., Tampa, Fla., $34,468; grading, concrete paving, etc. 1.969 mi. Jackson Rd., F.A.P. 29-D, Madison Co., and asphaltic concrete on concrete surfacing 10.005 mi. State Highway 3, Obion Co., to Hays Constr. Co., Jackson, Miss., $66,914 and $227,779 respectively; concrete surfacing 5.16 mi. Bluff City-Carter Co. line-Bluff S.A.P. 309-A, Sullivan Co., to Ziegler Bros., Greensboro, N. C., $123,114; grading and waterbound macadam surfacing 8.492 mi. Springfield-Kentucky State Line Rd., S.A.P. 363-A, Robertson Co., to E. L. Traugh, Adairville, Ky., $51,143. Grand total $572,781. Noted Aug. 4 and 25.

Kentucky—State Hy. Dept., Frankfort **(F.A.P. means Federal Aid Project, and S.A.P. State Aid Project)**, bank gravel surfacing 7.436 mi. Mayfield-Fulton Rd., F.A.P. 146-A, Graves Co., and 4.827 mi. same road, Sects. B and C, Fulton and Hickman Counties, to N. E. Stone & Son, Madisonville, $23,929 and $26,514 respectively; bituminous macadam surfacing 5.364 mi. Cynthiana-Brooksville Rd., S.A.P. 58½-A, Harrison Co., to O'Hare & Sale, Newton, $113,873; traffic bound macadam surfacing 5.5 mi. Jamestown-Russell Rd., S.A.P. 23-C, and creek gravel surfacing 7.876 mi. Russell Springs-Liberty Rd., S.A.P. 23-D, both Russell Co., to Bernard Antle Co., Jamestown $36,709 and $50,500 respectively; traffic bound macadam surfacing using shipped stone 6.064 mi. Mayslick-Wedonia Rd., S.A.P. 173-A, Mason Co., to Gay-Coleman Constr. Co., Ashland, $57,963; grading, etc. 8.75 mi. New Castle-Frankfort Rd., S.A.P. 64½-A, Henry and Shelby Counties, to H. S. Tye & Son, Bedford $64,416, 9.798 mi. Clinton-Mayfield Rd., S.A.P. 7-D, Hickman Co., to N. Davis, Sikeston, Mo. $48,152, 9.573 mi. Columbus-Clinton Rd., S.A.P. 7-E, Hickman Co., to L. E. Carter & Co., La Center $96,458, 10.473 mi. Inez-Kermit Rd., S.A.P. 34-B, Martin Co., to Hart & Blair, Whitesburg, using stone masonry $175,200, 8.927 mi. Tompkinsville-Scottsville Rd., S.A.P. 37-B, Monroe Co., to Alexander Bros., Cadiz, using 1st class pipe $88,803, 3.536 mi. Louisville-Bedford Rd., S.A.P. 13-A, Oldham Co., to F. G. Breslin, 32nd and Market Sts., Louisville, using concrete masonry $25,998. Grand total $808,515. Noted July 28.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, 3 in. brick paving etc. 2.827 mi. Sect. "Wilmot" and "E-F" Narvarre-Berlin Rd., and 2½ in. brick paving, etc. 2.585 mi. Sect. "A" Canton-Louisville Rd., both Stark Co., to E. O. Vogt Paving Co., Massillon, $165,375 and $102,044 respectively; 3 in. brick paving, etc. 0.957 mi. Sect. "U-3," Ohio River Rd., Scioto Co., to Kelly Bros. Constr. Co., Portsmouth, $48,543; concrete paving 4.509 mi. Sect. "Rogers East" and "C" Lisbon-East Palestine Rd., Columbiana Co., to Allison-Harris Constr. Co., East Liverpool, $176,636, 1.143 mi. Sect. "K-2" Toledo-Angola Rd., to R. L. Harris, Hicksville, $37,118, and 1.706 mi. Sect. "P" Toledo-Angola Rd., to Radebaugh & Graham Co., 17 South High St., Columbus, $48,983, both in Fulton Co. 3.811 mi. Sects. "Ft. Recovery," "A-I" and "F" Ft. Recovery-Minster Rd., Mercer Co., to E. and G. Alexander, North Star $113,811, 2.276 mi. Sect. "H" Mt. Vernon-McGilead Rd., Morrow Co., to Kenton Constr. Co., Kenton $73,637, 6.18 mi. Sects. "M-2" and "N" Zanesville-Caldwell Rd., Muskingum Co., to Dunzweiler Constr. Co., Zanesville $173,914, 3.236 mi. Sects. "X-1" and "X-2" Cleveland-East Liverpool Rd., Portage Co., to Hill & Hill Co., Elyria $90,683, and 0.852 mi. Sect. "L-I" Ohio River Rd., Washington Co., to Davis & Davenport Constr. Co., Spencerville $32,710; also brick paving 2.673 mi. Sect. "Wadsworth South" and "J" Cleveland-Rittman Rd., Medina Co., to Holmes Constr. Co., Wooster, $100,569. Grand total $1,164,023. Noted Sept. 1.

Ohio—G. F. Schlesinger, dir. Highways & Pub. Wks., Columbus, concrete paving, etc. 1.704 mi. Sect. "B-1" Mingo-Smithfield Rd., Jefferson Co., to E. A. Hatcher, Mingo Junction, $74,208. Noted Sept. 1.

O., Canton—Grading, curbing, guttering and 3 in. brick paving 1¼ mi. 25th St. N.W., to General Asphalt Paving Co., Hilton Bldg., $146,891 engrs. est. $204,097; also asphalt paving 3 mi. 14th St. N.W., to Bend Constr. Co., 1043 Spring Ave. N.E. $27,682 engrs. est. $25,000.

O., Cleveland—Cuyahoga Co., penetration macadam paving 4,300 sq.yd. Lake Shore Blvd. 6, to F. B. Stein, Babbitt Rd., Euclid, $90,550.

O., Cleveland—Bd. Comrs. Cuyahoga Co., curbing and lake asphalt paving, etc. South Woodland Rd., Sect. "A," to Freshwater Constr. Co., Davis & Farley Bldg., $242,818; and Sect. "B," to Bentley Bros., Hanna Bldg., $217,498.

Ind., Vincennes—Comrs. Knox Co., concrete paving A. W. Shake Rd., to Wright & Blackwood, Edwardsport, $16,709; T. W. Osborn Rd., to Hall & Kablo, Oaktown, $3,391; Hobson Rd., to E. H. Byers, Monroe City, $7,497 and L. H. Bond Rd., to Sotshaw

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Streets and Roads (Continued)

& Beard, Oaktown, $11,889. Grand total $39,486.

Michigan—State Hy Dept., Lansing, Asphalt paving 2.9 mi. State Trunk Line Rd. MO28-17, Contr. 1, Grand Traverse Co., 18 ft. to State Constr. Division, Lansing, A. L. Bunridge, supt., Cadillac, $71,451.

Michigan—C. L. Cowgill, resident engr., Plymouth, grading 0.359 mi. Federal Aid Road F082-3 Contr. 4, 40 ft., Wayne Co., to White Constr. Co., 1548 Buhl Bldg., Detroit, for State Hy. Dept., Lansing. $50,305.

Michigan—C. L. Cowgill, resident engr., Plymouth, concrete paving 0.99 mi. Federal Aid Rd. FO50-16, Contr. 2, Macomb Co., 20 ft., to T. E. Currie, 909 Transportation Bldg., Detroit, for State Hy. Dept., Lansing. $53,863.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 6.219 mi. Federal Aid Road FO54-7, Contr. 1, Mecosta Co., 20 ft., to J. R. Edelman Co., Muskegon, for State Hy. Dept., Lansing. $179,720. Noted Sept. 8.

Michigan—H. C. Fleming, resident engr., Grand Rapids, concrete paving 5.022 mi. Federal Aid Road FO41-10, Contr. 3, Kent Co., 20 ft., to H. C. Nelson, Muskegon, for State Hy. Dept., Lansing. $127,866. Noted Sept. 8.

Michigan — H. G. Oaks, resident engr., Cadillac, concrete paving 1.288 mi. State Trunk Line Rd. M051-5, Contr. 1, 20 ft., Manistee Co., to A. E. Green, South Haven, for State Hy. Dept., Lansing. $35,219.

Michigan—G. D. Tramp, resident engr., Crystal Falls, F. A. Bridge 1 of 66-6-2, one 75 ft. span, Ontonogan Co., for State Hy. Dept., Lansing, Contr. 1, to Worden Allen Co., Pt. Washington Rd., Milwaukee, Wis., $5,122; and Contr. 2, to Anderson & Bergstrom, Marquette, $24,611. Noted Sept. 1.

Michigan—Wayne Co. (Detroit) and Macomb Co. (Mt. Clemens) grading and one course 8 in. concrete paving etc. 54,406 sq.yd. Eight Mile Rd., to W. S. Tatti, 1337 Three Mile Dr., Detroit, at $1.59 per sq.yd., total $135,894.

Mich., Berkley—One course 8 in. concrete paving approximately 40,000 sq.yd. Oakwood Blvd., to Bishop & Weir, 955 East Jefferson Ave., Detroit, $88,590.

Mich., Detroit—Stone curbing and 3½ in. sheet asphalt on 8 in. concrete paving 5 avenues, to Cooke Asphalt Paving Co., Penobscot Bldg., $117,721; Pitt St. and 10 avenues, to Detroit Asphalt Paving Co., 909 Transportation Bldg., $137,051; Yellowstone Ave., to Cleveland Trinidad Paving Co., 402 Hammond Bldg., $6,337; Dexter and Fleming Aves., to M. R. Hanna Co., Ryan St. and Nevada Ave., $20,738; and Canfield Ave., to Lenanne & McIlvenna, 7777 West Chicago St., $5,449. Grand total $287,296.

Mich., Muskegon Heights—City Clerk, 6 in. concrete paving 7,000 sq.yd. 7th St., to O. P. Carpenter Co., 800 Sanford St., $20,857. Engrs. est. $21,000; grading and 3,700 sq.yd. 9-7-9 in. and 500 ft. 7 in. concrete paving 6th, Holbrook and Commerce Sts., to J. R. Edelman Co., 498 6th St., $5,396. Engrs. est. $13,500.

Mich., Northville—Concrete curbing, one course 8 in. concrete paving 2,825 sq.yd. and 2½ in. sheet asphalt on 6 in. concrete paving 23,350 sq.yd. various streets, to Cook Asphalt Paving Co., 1260 Penobscot Bldg., Detroit, $89,000.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, gravel surfacing Federal Aid Project 1-A, La Salle Co., to Duncan Constr. Co., Ottawa, $7,994, Route 95, Sect. 119-G, McDonough Co., to H. C. Holmes, Macomb, $7,019, and Route 12, Sect. 1-V-1, Lawrence Co., to J. P. Lyon, Robinson, $17,729; grading Route 182, Sect. 101-A, Marion Co., to King & Sheahan, Dudley, $37,833; paving Route 2, Sect. 73-V-1, Lee Co., to H. Zolper & Sons, Mendota, $11,375, Route 13, Sect. 17, Perry Co., to Hamilton-Hoffman Constr. Co., Carbondale, $36,027, Route 30, Sect. 1-X, Peoria Co., to Hartmann-Clark Bros. Co., Peoria, $27,273, Route 51, Sect. 103, Cook Co., to Powers-Thompson Constr. Co., Joliet, $167,500, and Route 78, Sect. 133-W, Fulton Co., to F. F. Wier Constr. Co., Moline, $15,438. Grand total $328,188. Noted July 14.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, grading, curbing, guttering and 8 in. concrete paving portion alley, to Paramount Constr. Co., 107 North Clark St.; grading, curbing, guttering and asphalt on 6 in. concrete paving portions Berwyn, Maplewood, Wabansia, North California and South Menard Aves., to Barber Constr. Co., 5001 Elston St., portions North Richmond and North Mozart Sts., Glenlake, Glenville, Rosemont, Bloomingdale, Jarvis, Pratt, Race and Dickens Aves., to White Paving Co., 1735 Fullerton St., portions East 104th St., Eggleston and Normal Aves., also grading, curbing, guttering and 2 in. asphaltic concrete on 8 in. concrete paving portions West 103rd St., to Amer. Asphalt Paving Co., 133 West Washington St.; grading, curbing, guttering and 10 in. concrete paving, etc. portion Devon Ave., to P. O'Brien, North Cicero Ave., portions Lowell and Cuyler Aves., to J. A. Ross & Co., 4561 Armitage St., portions Hollywood, Keystone, North Karlov and North Kedvale Aves., to Home Paving Co., 130 North Wells St., portions East 96th Pl., East 96th and 97th Sts., Dobson, Greenwood, University, Woodlawn and Chauncey Aves., to Chicago Constr. Co., 6222 Cottage Grove Ave., portions West 68th St., South Comensky, Karlov, Kedvale, South Keeler, Tripp, Kildare, Kolin, Kostner, Kenneth, Kilburn and Kolmer Aves., to Ready & Callahan Coal Co., 133 West Washington St., portions Eggleston Ave. and West 115th St. also grading, curbing, guttering and 2 in. asphaltic concrete on concrete paving portion West 107th St., to R. F. Conway & Co., 844 Rush St.; grading, curbing, guttering and 8 in. concrete paving portions West 116th Pl., West 118th St., South Irving and North Marmora Aves., to Central Paving Co., 179 West Washington St., portion North Eagle Ave., to Home Paving Co., 130 North Wells St., portions Fletcher St. and North Karlov Ave., to J. A. Ross & Co., 4561 Armitage St., portions East 85th Pl., East 86th St., East End and Kreiger Aves., to Calumet Coal Co., 9022 Commercial Ave.; grading, curbing, guttering and 10 in. concrete and 2 in. granite block on 8 in. concrete paving portions Yale, Elleston, Normal, Parnell, Lowem, South Union and Emerald Aves., to Farr Bros., 356 West 111th St.

Ill., Chicago — Bd. Local Impvts., City Hall, 6 to 24 ft. concrete sidewalks on portions West 57th Pl., Arthington, West Congress, East 44th, 45th Laflin, West 19th, 22nd, 26th, 31st, East 28th, North Wood, Taylor, Mohawk and Bernard Sts., South Albany, Blue Island, Clifton Park, Calumet, Chappel, Dauphin, Foster, South Francisco, Indiana, Kenwood, South Kolin, Oakland Creek, Sacramento, South Chicago, South Trumbull, Turner, North Cicero, Greenleaf, South Park, Wellington, Bryn Mawr and North St. Louis Aves., to G. Kehl Sons, 1225 North Maplewood Ave., portions East 33rd, 43rd, 44th, 47th, West 70th and South State Sts., Buffalo, Evans, Ellis, Indiana, St. Lawrence South Wabash, Stewart and Vincennes Aves., to Superior Concrete Constr. Co., 1109 East 52nd St., portions Cortland and West Harrison Sts., North Central and South Karlov Aves., to M. Schuh, 4625 Dickens Ave., portions East 111th St., East 111th Pl., Watt and Forestville Aves., to H. Johnson & Co., 430 West 111th St., portions East 35th, West 97th, 98th, 99th and South Leavitt Sts., South Irving, Oakley, Claremont and Paxon Aves., to Biesen & Barclay, portions West 51st, West Van Buren, West Congress, North Paulina, and North Clark Sts., Gladys, South Spaulding, Turner, Fullerton, North Keeler, Kenmore, Granville, Glenlake, Peterson, Ridge, North Hermitage and Ravenwood Aves., to J. J. Croake Co., 2927 Fullerton Ave., portions West 65th Pl., Bway., East 26th, West 68th, South Morgan, South Carpenter, Aberdeen, and South May Sts., Pryor, West Van Buren, North Lavergne, North Ridgeway, South Kedzie, Ashland, Halsted, Campbell, Racine, and Hamlin Aves., to Aldrich Constr. Co., 140 South Dearborn St., portions Michael Court, Morse and Farwell Aves., Morton, Primgree and Ellwood Sts., to P. Lutsch, 1902 Farragut Ave., portions West 63rd, 64th and 65th Sts., North Crawford, South Irving, South Oakley, South Claremont and South Western Sts., to Apex Constr. Co., 5240 West Chicago Ave., portions Henderson St., Barry and Foster Aves., to C. Schroeder & Son Co., 3440 Jansen Ave., portions West 13th St. and North Koster Ave., to Simpson Constr. Co., 1113 South Hermitage Ave., portions Hurlburt St. and Overhill Ave., to O. E. Brooks & Son, 6238 N. W. Highway.

Wisconsin—State Hy. Comn., at Div. Office 2, Stephenson Bldg., Milwaukee, grading concrete paving, etc. 6,130 sq.yd. Federal Aid Project 349-G, Milwaukee Co., to J. C. Bluham Co., 1299 Achilles Pl., Milwaukee $24,675; and 12,269 sq.yd. Federal Aid Project 268-B, Waukesha Co., to Milwaukee General Constr. Co., 857 8th Ave., Milwaukee $99,032. Noted Aug. 11.

Wisconsin—State Hy. Comn., Div. Office 2, Stephenson Bldg., Milwaukee (**F.A.P. means Federal Aid Project**), graveling, etc. 7,695 cu.yd. F.A.P. 371-B, Price Co., to A. E. Tilseth, Menomonie $46,012, and 2.865 mi. F.A.P. 448-A, and concrete paving, etc. 3.45 mi. F.A.P. 44, Juneau Co., to Kramp Constr. Co., Berlin, $45,577 and $99,042 respectively. Grand total $190,631. Noted Aug. 25.

Wis., Milwaukee—Grading, paving, etc. 8th Ave. and 1 alley, to Schwerm Bros., 50 Meinecke St., $46,598 and $5,458 respectively; 30th Ave., to Czerwinski Constr. Co., 816 Clinton St., $1,843; 38th Ave., to Gumz & Switalski, 831 13th Ave., $10,134; 38th St., to J. C. Bluhm Son, 1299 Achilles Pl., $8,013; 1 alley between 14th and 15th Sts., to Schramkowski & Son Co., 918 Dousmann St., $1,764; and 2 alleys, to Blech Constr. Co., 2123 Vliet St., $4,646. Grand total $78,456.

Ia., Eldora—Hardin Co., to O. C. Melohn, Nevada, improving Project S-148, 9,045 cu. yd. gravel 1 mi. haul at $0.24 per cu.yd., 55,675 units ½ mi. haul $0.065, and 1,100 cu.yd. stripping $0.20; to A. G. Schneiders, Pocahontas, 4,550 cu.yd. gravel 1 mi. haul $0.28, and 50,050 units ½ mi. haul $0.069.

Kan., Eldorado—Butler Co., grading 7.991 mi. Project 67-F, to M. R. Ammerman, Wichita, $47,487. This corrects report in Sept. 22 issue.

Kan., Newton—Asphaltic concrete paving 20,936 sq.yd. various streets, to J. H. Shears & Sons, Hutchinson, $26,424; and brick paving 20,427 sq.yd. various streets, to Stanton & Wallace, Leavenworth, $41,879.

Kan., Seneca—Nemaha Co., grading, etc. 9.135 mi. Federal Aid Project 319, 28 ft., to Dan Scherrer Constr. Co., Kansas City, $46,294; also concrete and steel bridge on Sta. 96 plus 40, same road, to Loomis Constr. Co., St. Joseph, Mo., $11,069. Noted Mar. 3.

Nebraska — State Hy. Comn., Lincoln, grading 9.2 mi. U. S. Highway 20, Cedar Co., to Theisen Bros., Osmond, $29,421.

Neb., Lincoln—Concrete paving 356 sq.yd. streets in Dist. 185, to Reimers-Kaufman, 1111 North 16th St., $777; brick paving 255 sq.yd. Dist. 193, to C. W. Beans, 1528 South 21st St., $1,719; also asphaltic concrete paving 6,000 sq.yd. Dist. 633 and 970 sq.yd. Dist. 746, to Cochrane Constr. Co., 822 1st Natl. Bank Bldg., $24,853 and $3,327 respectively. Grand total $30,676.

Neb., Westpoint—To Roberts Constr. Co., 1st Natl. Bank Bldg., Lincoln, Johnson method concrete paving streets in Dist. 7 $11,577, and Dist. 8 $26,074, also brick paving streets in Dist. 9 $4,399. Grand total $42,056. Noted Aug. 14.

Missouri — State Hy. Comn., Jefferson City, to Carte-Harlin Constr. Co., West Plains, 24 ft. grading 0.759 mi. Route 51, Sect. 1 $5,128, 30 ft. grading 2.8 mi. State Project 208-B, $36,566 both Bollinger Co., and 4.062 mi. Route 25, Sect. 25, Cape Girardeau Co. $31,243; to M. Haase, St. Joseph 30 ft. grading 3.189 mi. Route 33, Sect. 5, $14,909 and 2.241 mi. Route 33, Sect. 6, $22,324, both Clinton Co.; to E. Johnson, St. Louis, 54 ft. grading 1.548 mi. Route 2, Sect. 2, St. Louis Co. $13,769; to E. C. Johnson, Carrollton, grading and concrete paving 1.21 mi. Route 71, Sect. 61, Cass Co. $47,594, to C. H. Atkinson Paving Co., Watertown, S. D., 2.644 mi. Route 65, Sect. 20-B, Livingston Co. $25,846, 0.17 mi. Route 36, Sect. 32, Linn Co. $5,473, to DuBois & Co., Pittsburg, Kan., 0.903 mi. Route 16, Sect. 16-A, Lawrence Co. $28,165, to A. W. Mosley, Kansas City, 0.522 mi. Route 71, Sect. 1, Jackson Co. $18,547, and to Lynch-McDonald Constr. Co., Moberly, 0.381 mi. Macon-Brookfield Rd., Linn Co. $11,199; to Kelly & Underwood, Granby, 18 ft. graveling 2.212 mi. Lowry City-Osceola Rd., St. Clair Co. $52,441, 18 ft. chats surfacing 4.069 mi. Route 71, Sect. 84, Barton Co. $4,284, 4.039 mi. Route 71, Sect. 85, Barton Co. $4,248, 4.083 mi. Route 71, Sect. 82 $4,285 and 4.115 mi. Route 71, Sect. 83, $4,327, both Vernon Co. Grand total $330,348. Noted Aug. 25.

Mo., Kirkwood—To Moore Bros. Constr. Co., 2000 St. Clair Ave., East St. Louis, Ill. rein.-con. paving Clay St. between Madison Ave. and Woodbine St. $16,024, Clay St. between Argonne Dr. and Washington St. $8,399, and Washington St. between Van Buren St. and Sugar Creek Rd. $14,891; also to Fehlig-Ferrenbach, Inc., 3500 Hickory St., St. Louis, Parkwood Ave. between Adams St. and Amherst Circle, $7,455. Grand total $46,769.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Central Paving & Constr. Co., 6161 Maple Ave., rein.-con. paving 5,185 sq.yd. Dale Ave. $25,005, 2,650 sq.yd. Morganford Rd. $11,746, and warrenite bitulithic paving 4 660 sq.yd. Kansas St. $29,539; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., asphalt paving 6,535 sq.yd. Dale Ave. $40,396; to Eyerman Contg. Co., 1216 South Grand Blvd., granite block paving 1,295 sq.yd. St. Charles St. $9,499; and to Crean & Scott Constr. Co., Chouteau Trust Bldg.,

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Streets and Roads (Continued)

390 sq.yd. St. Charles St. $2,841. Grand total $119,026. Noted Aug. 11.

Arkansas—State Hy. Dept., Comm., Little Rock, grading, etc. 8 mi. Highway 22 Sect. 5, Yell Co., and 8 mi. Highway 65 Sect. 1, Boone Co., to M. E. Gillioz, Monett, Mo., $68,239 and $98,031 respectively, 7 mi. Highway 14, Sect. 3, Marion Co., to Thurber Constr. Co., F. & M. Bldg., Fort Worth, Tex. $58,453, 6 mi. Highway 4, Sect. 13, Bradley Co., to L. T. Campbell, Eldorado $51,324, and 7.5 mi. Highway 71, Sect. 12, Logan and Scott Counties, to Cook & Ranson, Ottawa, $38,109; grading and gravel surfacing, etc. 8 mi. Highway 14, Sect. 12, Jackson Co., to A. A. Davis, 1001 Commerce Tr. Bldg., Kansas City, Mo., $49,107. Grand total $363,263.

Texas—State Hy. Dept., Austin, one course surface treating 372,328 sq.yd. Highway 35, Polk Co., and 163,610 sq.yd. Highway 67, Comanche Co., to J. E. Ward Co. Inc., Linz Bldg., Dallas, $60,317 and $27,650 respectively.

Texas—State Hy. Dept., Austin, approximately 190 ft. concrete and steel bridge over Pease River, Wilbarger Co., to J. W. Williams, Oklahoma City, Okla., $130,197. Noted Sept. 1.

Texas—State Hy. Dept., Austin, bituminous surfacing 142,000 sq.yd. Highway 30, Runnels Co., to Cocke & Turner, Marshall, $26,358. Noted Sept. 1.

Tex., Amarillo—For 3 in. brick on 4 in. concrete paving approximately 6 blocks 11th St., 50 ft., to L. H. Howard, $34,739; and 3 in. brick on 5 in. concrete paving approximately 11 blocks 8th St., to Wilmering & Mullen, 96 Polk St., $87,463.

Tex., Brownsville—Cameron Co., concrete paving 10.6 mi. Paredes Line Rd., Highway 100, 16 ft., and 6.5 mi. Highway 100 from Highway 12 to intersection Paredes Line, 18 ft., to Dodds & Wedegartner, Brownsville $267,742 and $162,304 respectively; grading and drainage structures on 16.4 mi. Boca Chica Rd., to G. B. Merriweather, Donna, Unit 1 $49,971 and Unit 2 $4,678. Grand total $484,695. Noted Sept. 1.

Tex., Dalhart—For 2.5 in. brick on 4 in. concrete paving 17 blocks various streets, to J. Stanton, Dalhart, at $2.80 per sq.yd.

Tex., Fort Worth—Paving Norma Ave. from Edgewood St. to Tierney Rd., to General Constr. Co., Cotton Exch. Bldg., $25,236.

Tex., Harlingen—Asphalt paving Pierce Filmore and Jackson Aves., 1st, Buchanan, Tyler and 4th Sts., 3/5 mi. around city lake to city limits, to F. P. McElwrath, Harlingen. $125,000.

Tex., Houston—State Hy. Dept., c/o R. S. Sterling, chn., Austin, two 160 ft. steel and twelve 26 ft. rein.-con. girder approach span bridge over San Jacinto River, on Highway 3, Harris Co., here, to P. G. Burns, Houston, using rectangular shaft piers. $107,135. Engrs. est. $115,000.

Tex., Houston—Harris Co. will pave with asphalt on macadam 2.2 mi Hardy St. Rd., by day labor. $27,000. Howe & Wise, Court House, engrs.

Tex., San Antonio—Rock asphalt paving approximately 12 blocks, West Evergreen, Agarita, and Euclid Sts., to Southwest Bitulithic Co., Gunter Bldg., approximately $26,500.

Tex., Seymour—Baylor Co., 2½-in. bituminous macadam paving 13.258 mi. Highway 30 from here to Knox Co. line, 18 ft., to H. K. McCollum, F. & M. Bank Bldg., Ft. Worth. $102,018. Engrs. est. $125,000. Noted May 19.

Tex., Wharton—Wharton Co., grading, etc. 10.813 mi. Highway 12 from El Campo to Wharton, 26 ft., to Tibbetts Constr. Co., Joseph Bldg., Ft. Worth, $62,058. Engrs. est. $70,785.

Oklahoma—State Hy. Dept., Oklahoma City **(F.A.P. means Federal Aid Project, S.A.P. State Aid Project and e.e. engineers estimate)**, to S. E. Grey, Muskogee, grading 12.19 mi. Highway 27, S.A.P. 250-D and E, Adair Co. $67,736 e.e. $70,000, to J. T. Ables, Madill, 9.31 mi. Coalgate Rd., S.A.P. 374-A and B, Coal Co. $37,449 e.e. $40,000, to Witt & Bolton, Granfield, 10.05 mi. Lawton Rd., F.A.P. 215-A and B, Comanche Co., $34,807 e.e. $35,000, and 3.818 mi. Frederick Rd., S.A.P. 453, Tillman Co. $23,473 e.e. $25,000, to G. Kerr, Clinton, 1.912 mi. F.A.P. 157-F and G, Cotton Co. $10,238 e.e. $12,500, to D. Sweeney, 614 West 11th St., Oklahoma City, 5.87 mi. Chickasha-Tabler Rd., F.A.P. 202-A, Grady Co. $33,956 e.e. $35,000, to Richards & Moorman, Cushing, 15.177 mi. Chandler Rd., F.A.P. 136-E and G, Lincoln Co. $98,634 e.e. $125,000, to T. Collins, Cushing, 5 mi. Stillwater Rd., F.A.P. 198-G, Payne Co. $23,658 e.e. $27,006, to C. McCoy, Perry, 5 mi. Highway 25, F.A.P. 230-D, Noble Co. $37,969 e.e. $39,500, and 6.81 mi. Lela-Pawnee Rd., F.A.P. 230-A, Pawnee Co. $48,270 e.e. $50,000, to M. A. Swatek, 519½ West Main St., Oklahoma City, 10.35 mi. Pawnee-Cleveland Rd., F.A.P. 229-C and D, Pawnee Co. $68,965 e.e. $70,000, to Maney & Allen, Empire Bldg., Oklahoma City, 14.01 mi. Meeker Rd., F.A.P. 131-F and G, Lincoln Co. $60,029 e.e. $70,000, 5.76 mi. Seminole-Wewoka Rd., F.A.P. 222-H, $46,750 e.e. $48,000, and 6 mi. Seminole-Wewoka Rd., F.A.P. 222-C, $52,502 e.e. $56,205 both Seminole Co. to Blackburn & Ruby, Healdton, 5 mi. Stillwater Rd., F.A.P. 198-B, Payne Co. $27,822 e.e. $30,000, 5.714 mi. same road, Sect. D $45,857 e.e. $50,000, and 5 mi. same road, Sect. C $17,896 e.e. $20,000, to Standard Paving Co., 1742 East 6th St., Tulsa, 14.01 mi. F.A.P. 131-H, Lincoln Co. $47,405 e.e. $55,000, to Reynolds & Sutton, Tyler, Tex., 0.4 mi. Comanche Rd., F.A.P. 187-A, Stephens Co. $10,206 e.e. $25,000, and concrete slab surfacing 7.069 mi. Camanche-Loco Rd., F.A.P. 187-B, Stephens Co. $167,329 e.e. $170,000, to Hyde Constr. Co., Amer. Bank Bldg., Enid, 4 mi. State Rd. 13, F.A.P. 180-B, Garfield Co. $89,239 e.e. $110,000; to J. W. Williams, Oil Exch. Bldg., Oklahoma City, structures, etc. 15.177 mi. Chandler Rd., F.A.P. 136-F, Lincoln Co. $30,354 e.e. $35,000. Grand total $1,080,544. Noted Aug. 25.

Okla., Oklahoma City—Grading and sheet asphalt paving 5,200 sq.yd. Blackwelder St., to Western Paving Co., Tradesmens Bldg., $26,071. Engrs. est. $26,167. Noted May 26.

Okla., Stillwater—Grading, curbing and concrete paving 11,675 sq.yd. Dist. 56, to T. Gudgel, Stillwater, $40,018. Engrs. est. $42,228.

Colo., Denver—Grading, curbing and surfacing, North Side Impvt. Dist. 37, to Western Constr. Corp., 3262 Blake St., (for crushed gravel surfacing). $104,782.

Washington—State Hy. Comn., Olympia **(S.R. means State Road)**—Grading, crushed rock surfacing, etc. 13,000 cu.yd. S.R. 3, Spokane Co., to Clifton, Applegate & Toole, Hutton Bldg., Spokane, $94,180; grading, etc. 55,850 cu.yd. S.R. 10, F.A.P. 145-C, Douglas Co., to J. F. Clarkson, 254 Hawthorne Ave., Portland, Ore., $50,812; one 90 ft. steel bridge with concrete abutments over Little Naches River, Yakima Co., to R. A. Gray, 22 Sloan Bldg., Yakima $12,056, and 1,160 ft., 4 ft. timber sidewalks on Woodland Bridge over Lewis River at Woodland on S.R. 1, Cowlitz and Clark Counties, to J. W. Sadler, Spalding Bldg., Portland, Ore. $2,599. Grand total $159,647. Noted Sept. 1.

Wash., Hoquiam—For 7 in. concrete paving, etc. 8,356 sq.yd. Ontario St., to Forbes & Wilder, Olympia $29,801. Engrs. est. $35,000.

Wash., Seattle—King Co., Seattle, grading graveling, etc. 1.34 mi. Stillwater-Snohomish Highway, to McHugh & Coluccio, 517 3rd Ave. N., $34,600. Engrs. est. $36,000. Noted Aug. 25.

California—State Hy. Comn., Sacramento, grading 21.3 mi. Coso-Alancha Rd., Inyo Co., to F. C. Payton, Norwalk, $28,952. Noted July 28.

Calif., Alhambra—Grading and 7 in. asphaltic concrete paving, etc. approximately 136,900 sq.yd. Main St., to Hall-Johnson Co., 905 Westminister Ave., $35,955.

Calif., Arcadia—C. G. Meade, city clk., curbing and macadam paving, etc. 2nd Ave., to Shull & Co., 122 Walnut St., Riverside, $25,578. Noted Aug. 25.

Calif., Corcoran—Asphaltic concrete paving Chase Ave., etc., to California Road & Street Impvt. Co., Bank of Italy Bldg., Fresno, $66,954.

Calif., Escondido—Grading, curbing and asphaltic concrete paving, etc. 372,612 sq.ft. Ohio Ave., etc., to G. R. Daley, 4430 Boundary Ave., San Diego, $55,405. Noted Sept. 8.

Calif., Huntington Park—Grading, curbing, walks and 5 in. asphaltic concrete and 8 in. concrete paving Irvington Ave. between Passaic Ave. and city limits, to Curtis Paving Co., 2440 East 26th St., Los Angeles, $51,962; also curbing, guttering, walks and 5 in. asphaltic concrete paving, etc. Seville Ave., etc., to Los Angeles Paving Co., 3200 East Vernon Ave., Los Angeles, $45,695.

Calif., Los Angeles—Grading, walks and concrete paving, etc. Dover Pl. between Edenhurst Ave. and Glenfeliz Blvd., also grading, curbing, guttering, walks and National asphaltic concrete paving, etc. Gardenside Lane between southwesterly line Edenhurst Ave. and northeasterly line Glenfeliz Blvd., to C. U. Heuser, 250 West 7th St., $8,906 and $19,520 respectively; grading, concrete and asphaltic concrete paving, etc. Slauson Ave. between 8th Ave. and point 130 ft. west of Hillcrest Dr., etc., to G. R. Curtis Paving Co., 2440 East 2[illegible] St., Vernon $72,606, and 1st alley west [illegible] Bway. between 70th and 71st Sts., to [illegible] Liddington, 420 East 60th St. $993; grading, curbing, guttering, concrete, asphaltic concrete and Warrenite bitulithic paving, etc. Slauson Ave. between Figueroa and Gramercy Pl., to Los Angeles Paving Co., 2900 Santa Fe St., Vernon, $259,90[illegible] grading, guttering, concrete and rein.-con. paving, etc. Riverside Dr. between Woodman Ave. and Van Nuys Blvd., etc., to Bosko & Konjevod, $35,214; grading and concrete paving, etc. Winans Dr. between westerly line Beachwood Dr. and easterly line Vasanta Way, etc., to McCray Contg. Co., 129 West 2nd St., $70,748; also grading Grape St. between southwesterly line Santa Ana Blvd. and northerly line 116th St. etc., to Baker & Vigus, I. W. Hellman Bldg. $4,031, and Case Ave. between Hatteras St. and Burbank Blvd., etc., to C. B. Snow $3,892. Grand total $475,851.

Calif., Los Angeles—Supervs. Los Angeles Co., curbing, guttering and 2 in. asphaltic concrete paving, etc. 105,340 sq.ft. Western Ave., to Griffith Co., 502 Los Angeles Ry. Bldg., $47,787. Engrs. est. $44,687. Noted Aug. 25.

Calif., Merced—P. J. Thornton, clk. Merced Co., 5 in. concrete paving, etc. Merced-Snelling-Merced Falls Rd., to United Concrete Pipe & Constr. Co., $54,750. Noted Aug. 25.

Calif., Petaluma—Concrete paving, etc. D St. (Acq. and Impvt. Dist. 2), to J. V. Galbraith, Petaluma, $92,369.

Calif., Redwood City—Grading and 1½ in. Warrenite on 2½ in. asphaltic concrete paving portions Cooper and Hancock Sts., etc., to Peninsula Paving Co., 58 2nd St., San Francisco, $34,540.

Calif., Richmond—Grading, Warrenite bitulithic on asphaltic concrete paving, etc. San Pablo Ave. between McBryde and Macdonald Aves., to California Constr. Co., 58 2nd St., San Francisco, $48,860. Noted Aug. 4.

Calif., Ventura—City Council, curbing and concrete paving 381,745 sq.ft. Ventura Heights Tract, to United Concrete Pipe & Constr. Co., Chamber of Commerce Bldg., Los Angeles, $171,319.

Calif., Woodland—Clerk Yolo Co., 5 in. Willite paving roadway point 3 mi. from Ely station north, to A. Teichert & Sons, 1846 37th St., Sacramento, $63,198.

Calif., Yreka—Grading and asphaltic concrete paving, etc., 2nd St., etc., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $80,224.

Ont., Guelph—Wellington Co., concrete paving 1½ mi. Elora Rd., to McArthur Eng. & Constr. Co., Douglas St., $45,000.

Ont., Oshawa—Standardite and concrete curbing, and asphalt paving 7 streets, to Standard Paving Co. Ltd., Elgin St., Ottawa, $111,000.

Ont., Toronto—York Twp., asphalt on concrete paving Gilbert Ave., also tar bound macadam paving Somerville Ave., to Godson Contg. Co., 203 Richmond St. W., $20,130 and $6,188 respectively.

B. C., Vancouver—Concrete paving various streets, to Hodgson, King & Marble, 626 Pender St. W. $9,657, and to Dawson Wade & Co., Bekins Bldg., $6,412; warrenite bitulithic paving, to Columbia Bitulithic Co., Bekins Bldg., $2,292; 9½ mi. 6 ft. sidewalks and ¾ mi. curbing various streets, to G. W. Ledingham, 348 8th Ave. E., $55,153. Grand total $73,514.

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Buildings—Commercial

Proposed Work

Mass., Bedford (br. Boston)—APARTMENT—F. T. Bustin, 52 7th St., having plans prepared by O. A. Watkins, Rock Glen Rd., 3 story and basement, 60 x 110 ft., brick and stone, plain foundation, 8th and Middlesex Sts. $160,000.

Mass., Boston—OFFICE—McMillan Co., 755 Boylston St., plans office building, Newbury and Fairfield Sts. To exceed $150,000. J. H. Ritchie & Associates, 250 Stuart St., archts. Noted Sept. 22.

Mass., Cambridge (br. Boston)—GARAGE—W. S. Young, 18 Webster St., Brookline, having preliminary plans prepared by H. F. Bryant, 334 Washington St., Boston, probably rein.-con., 300 car capacity, Church St. To exceed $150,000.

Mass., Cambridge (br. Boston)—WAREHOUSE—Jordan Marsh Co., 450 Washington St., Boston, having sketches made by Monks & Johnson, 99 Chauncy St., Boston, altering and constructing rein.-con. and brick top addition, plain foundation, here. $150,000 or more. Noted Aug. 18.

Buildings—Commercial (Continued)

N. Y., Little Neck (mail Douglaston) — BANK—Little Neck Natl. Bank having plans prepared by P. B. LaVelle, 505 5th Ave., New York City, 2 story and basement, 80 x 82 ft., Northern Blvd. and Little Neck Rd. $150,000.

N. Y., New York — APARTMENT — J. Tishman & Sons, 285 Madison Ave., having plans prepared by Swartz & Gross, 347 5th Ave., 14 story and basement, 84 x 160 ft., rein.-con., brick and steel, plain foundation, Park Ave. and 81st St. $3,000,000.

N. Y., New York—APARTMENTS—Six West Seventy-Seventh Street Corp., having plans prepared by N. Korn, 9 East 40th St., 15 story and basement, 100 x 150 ft., rein.-con., brick and stone, plain foundation, 6 West 77th St. $2,000,000.

N. Y., New York—WOMENS PRISON—Dept. Correction, Municipal Bldg., takes bids in January, 14 story, roof garden and basement, 100 x 190 ft., brick and steel, concrete pile foundation, Greenwich and 6th Aves. $2,000,000. B. W. Levitan, 100 East 42nd St., New York City, archt. Noted Sept. 15.

N. Y., St. George—COURT HOUSE—J. A. Lynch, pres. Richmond Boro, Boro Hall, takes bids about Oct. 22, 2 story and basement, brick and steel, brick and concrete foundation, Castleton and Bement Sts. $200,000. Sibley & Fetherstone, 101 Park Ave., New York City, archts.

N. J., Atlantic City—APARTMENT—T. J. Koury, 919 Boardwalk, having revised plans prepared by A. F. Amodio, 45 Branford Pl., Newark, 7 story and basement, brick and steel, plain foundation, Cornwall Ave. $250,000. Noted Aug. 18.

N. J., Atlantic Highlands—HOTEL and SANITORIUM—Owner, c/o A. F. Amodio, archt., 45 Branford Pl., Newark, having sketches made 3 story and basement, brick and steel, Mitchell Hill St. $1,000,000.

N. J., Bayonne—CITY HALL—Bd. Council, City Hall, plans 3 story and basement, brick and steel city hall. $150,000. Engineer and architect not selected.

N. J., Belleville (br. Newark) — HOSPITAL—Bd. Freeholders Essex Co., Court House, Newark, having plans prepared by D. L. Richardson, 192 Eaton St., Providence, R. I., brick and steel, addition to Isolation Hospital, plain foundation, Soho St., here. $1,000,000.

N. J., Belmar—HOTEL—Owner, c/o J. Centanni, archt., 142 Market St., Newark, having plans prepared 3 story and basement, 80 x 120 ft., brick and steel, plain foundation, here. $150,000. Noted June 9.

N. J., East Orange — APARTMENT — Glenwood Apartment Co., c/o R. Botelli, archt., 45 Branford Pl., Newark, having plans prepared 4 story and basement, brick and steel, plain foundation, 210 Glenwood Ave., here. $200,000.

N. J., Elizabeth—APARTMENT—Owner, c/o J. B. Beatty, archt., 15 North Read St., having sketches made two 4 story and basement, brick and steel, plain foundations. $225,000.

N. J., Jersey City—APARTMENT—Advance Development Corp., c/o C. I. Goldberg, archt., 437 Bway., Bayonne, having plans prepared 5 story and basement, brick, plain foundation, 149 Bentley Ave. $150,000.

N. J., Newark—APARTMENTS—Owner, c/o S. Cohen, archt., 130 Branford Pl., having sketches made 5 story and basement, brick and steel, plain fonudation. $250,000.

N. J., Newark—HOSPITAL and NURSES HOME—St. Micheals Hospital, E. M. Waldron, chn. building com., High St., plans 3 story and basement, brick and steel, hospital addition and nurses home, plain foundation. $300,000. Engineer and architect not selected.

N. J., Passaic—APARTMENT—L. Stein, 231 Lexington Ave., plans 5 story and basement, brick and steel, Lexington Ave. $150,000. Engineer and architect not selected.

N. J., Passaic — ORPHANAGE — State Building Comn., had sketches made by B. Bellay, 80 Lexington Ave., orphanage, incl. cottages, church, school, fire house, etc., here. $150,000.

N. J., Passaic—STORE and OFFICE—Lee Hamilton Building Corp, c/o J. Holt, archt., 132 Market St., Paterson, having plans prepared 5 story and basement, 75 x 100 ft., brick and steel, plain foundation. Hamilton Ave. $300,000.

N. J., Ridgefield Park — GARAGE—M. Zimmerman, 336 Main St., having plans prepared by F. Meisler, 163 Main st., Hackensack, 2 story and basement, 75 x 200 ft., brick and steel, plain foundation, Spruce St. $150,000.

N. J., Trenton — APARTMENT and STORE—Dolton Realty Co., W. A. Weinmann, pres., 38 West Hanover St., plans 5 story apartment and store building, 35-37 West State St.

N. J., Trenton — BANK — First Natl. Bank, 34 East State St., having sketches made by York & Sawyer, 100 East 42nd St., New York City, brick and steel, State and Broad Sts. $150,000.

N. J., West New York—APARTMENT—Owner, c/o C. G. Eicholz, Jr., archt., 960 Bergenline Ave., Union City, having sketches made 5 story and basement, brick and steel, plain foundation, here. $150,000.

Pa., Ambridge—THEATRE and OFFICE—United Amusement Co., c/o N. B. Nadler, having plans prepared by W. E. Snaman, Empire Bldg., Pittsburgh, and soon takes bids 2 and 3 story and basement, irregular shaped, brick and steel theatre and office building. $300,000.

Pa., Mt. Lebanon (Pittsburgh P.O.)—THEATRE—United Amusement Co., c/o N. B. Nadler, Ambridge, having plans prepared by W. E. Snaman, Empire Bldg., Pittsburgh, 1 story and mezzanine, brick and steel, Central Sq., here. $350,000.

Pa., Phila. — APARTMENT—Schultz & Weaver, archts., c/o I. Stern, Franklin Sq. Bldg., preparing preliminary plans 22 story and basement, 110 x 150 ft., rein.-con., brick and steel, plain foundation, 18th and Rittenhouse Sts. $6,000,000.

D. C., Wash. — APARTMENT HOTEL and STORE — Army & Navy Apartment Hotel Co., had plans prepared by M. G. Lepley, 812 Denrike Bldg., 1010 Vermont Ave., apartment hotel, 818-20 Connecticut Ave. $300,000.

D. C., Wash. — MUNICIPAL — District Comrs., District Bldg., had sketches made municipal annex, D St and Ohio Ave., 13½ and 14th Sts. N. W. $10,000,000.

Tenn., Chattanooga — APARTMENT—J. W. and H. Stoops having plans prepared by Dougherty & Gardner, Cotton States Exch. Bldg., apartment building at Dallas Heights. $250,000.

Tenn., Murfreesboro—HOTEL—Company, fostered by Chamber of Commerce, having plans prepared by D. Southgate, Stahlman Bldg., Nashville, 5 story and basement, rein.-con., brick and steel, Main St. $150,000. Noted June 23.

Ky., Louisville — HOSPITAL—Norton Memorial Infirmary, J. D. Burge, pres., Bd. Trustees, 3rd and Oak Sts., Plans 8 to 9 story, 2 front and 1 rear wings, Third and Oak Sts., $600,000. D. X. Murphy & Bro., Trust Bldg., archts.

Ky., Paducah — HOTEL — G. Langstaff having plans prepared by Marr & Holman, Stahlman Bldg., Nashville, Tenn., 10 story and basement, 200 room, brick, stone, concrete and steel, here. $1,000,000. Noted Sept. 8.

O., Cincinnati—AUTO SERVICE—Daylight Realty Co., 718 1st Natl. Bank, having plans prepared by Kruckermeyer & Strong, 404 St. Paul Bldg., 5 story and basement, 92 x 280 ft., brick and rein.-con., plain foundation, 6th and Court Sts. $300,000.

O., Cincinnati—OFFICE—Union Gas & Electric Co., H. C. Blackwell, pres., had plans prepared by J. R. Pope and Garber & Woodward, 4 West 7th St., office building, 4th and Main Sts.

O., Cleveland—OFFICE and GARAGE—Cleveland Union Terminal Co., C. L. Bradley, pres., Cleveland Hotel, having preliminary plans prepared by Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., 2 story and basement, brick, steel and concrete, Ontario St. and Prospect Ave.

O., East Cleveland (br. Cleveland)—APARTMENT — H. Dolinsky, Kinsman Builders Supply Co., 6317 Kinsman Rd., Cleveland, having plans prepared by M. Altschuld, 5116 Woodland Ave., Cleveland, 2 story and basement, 66 x 165 ft., brick, 1st Ave. $150,000.

Mich., Birmingham—OFFICE—J. Couzens had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, 8 story and basement, 100 x 208 ft., rein.-con., brick and steel, plain foundation, Maple Rd. $1,000,000. Noted Sept. 1.

Mich., Detroit — APARTMENT — Owner, c/o Wiedmaier & Gay, archts., 1212 Metropolitan Bldg., having plans prepared 4 story and basement, 62 x 134 ft., rein.-con., brick and steel, plain foundation, Martindale Ave. $175,000.

Mich., Detroit—STORE and OFFICE—Owner, c/o J. I. Weinberg, archt., 514 Free Press Bldg., having plans prepared 2 story and basement, 100 x 138 ft., rein.-con., brick and steel, plain foundation, Livernois and Franklin Sts. $150,000.

Ill., Chicago—APARTMENT and STORE—Lawrence Building Corp., c/o Huszah & Hill, 6 North Michigan Ave., having plans prepared 12 story and basement, 110 x150 ft., Lawrence and Kenmore Aves. $750,000.

Ill., Chicago—HALL and MEMORIAL—West Park Comrs. having plans prepared by Michealson & Rognstad, 3256 Franklin Blvd., 2 story, brick and stone community hall with arcade along front, Laramie Ave. between Potomac and Hirsch Aves., in La Follette Park, $241,768; also memorial building in east end of park, $758,232.

Ill., Chicago — HOSPITAL — Womens & Childrens Hospital, Paulina and West Adams Sts., having sketches made by W. S. Crosby, 6 North Michigan Ave., 6 story and basement hospital, Maypole St. and Ashland Ave. $500,000. Noted Apr. 7.

Ill., Evanston — APARTMENT — H. S. Jones 1428 Noyes St., having plans prepared by Hall, Lawrence, Rippel & Ratcliffe, 123 West Madison St., Chicago, 7 story and basement, 99 x 185 ft., rein.-con. brick and stone, Hinman Ave. and Grove St. $1,100,000.

Mo., Kansas City—HOTEL—W. Jewell, 622 Chambers Bldg., having plans prepared 8 story and basement, 112 x 160 ft., rein.-con. and brick, Linwood Blvd. and Harrison St. Private plans.

Mo., St. Louis—CLUB—St. Louis Metropolitan Club, c/o E. D. Nims, chn. building com., 11th and Pine Sts., postponed indefinitely construction 5 story and basement, 112 x 155 ft., rein.-con., brick and stone clubhouse, incl. swimming pool, etc., Kingshighway and Maryland Ave. $1,500,000. Mauran, Russell & Crowell, Chemical Bldg., archts. Noted Mar. 17.

Mo., St. Louis—COMMUNITY—G. M. G. Corp., c/o C. J. Grotwell, 909 Chestnut St., takes bids about Oct. 7, 2 story and basement, 142 x 215 ft., rein.-con., brick and terra cotta, Acme and West Florissant Sts. $375,000. Klingenschmidt & Wilkins, 1217 Louderman Bldg., archts.

Mo., St. Louis—OFFICE and LODGE—Knights of Pythias, c/o St. Louis Lodge Deputies Assn., takes bids about Oct. 6, 15 story and basement, 75 x 150 ft., rein.-con., brick, stone and steel, Grand and Delmar Blvds. $1,000,000. Trueblood & Graf, Chemical Bldg., archts. Noted Jan. 6.

Ark., Fort Smith—MASONIC TEMPLE—Masonic Home Assn., R. L. Secrest, secy., soon takes bids rein.-con., brick and stone, Grand Ave. and North 11th St. $400,000. G. A. Mann, 1316-18 New Donaghey Bldg., Little Rock, and Haralson & Nelson, Merchants Bank Bldg., associated archts.

Tex., San Antonio — OFFICE — Subsidiary Corp. of Medical Arts Building Co., c/o R. Nix, Medical Arts Bldg., having preliminary plans prepared by R. H. Cameron, c/o City Natl. Bank Bldg., 13 story and part basement, rein.-con., brick, stone and terra cotta addition, plain foundation, Houston St. and Avenue E. $500,000.

Tex., Temple—HOTEL—R. L. Walling, archt., 806 Scarbrough Bldg., Austin takes bids about Oct. 1, 12 story, first floor 110 x 150 ft., rein.-con. brick and stone. Main St. and Barton Ave., for A. C. Scott, Sr., and associates. $350,000. Noted Aug. 4.

Okla., Oklahoma City—EXCHANGE and OFFICE—Southern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., soon lets contract 14 story and basement, 100 x 140 ft., rein.-con., brick, stone and steel, 3rd St. and Bway., here. $3,000,000. I. R. Timlin, c/o owner and Layton, Hicks & Forsyth, 906 Braniff Bldg., archts. Noted Sept. 15.

Nev., Ely—HOTEL and STORE—Nevada Hotel Co., c/o H. L. Stevens Co., archts., 433 California St., San Francisco, Calif., having plans prepared 6 story and basement, brick hotel. $400,000.

Wash., Tacoma—HOTEL—J. F. Hickey, 65 East Rd., plans remodeling and constructing 300 room addition to Hotel Tacoma, 9th and A Sts., also 150 car garage. $1,000,000.

Calif., Bakersfield — HOSPITAL and SANITARIUM—Kern Co. having plans prepared by C. H. Biggar, Bank of Italy Bldg., 1st unit fireproof hospital $150,000, and addition to childrens tubercular unit $60,000. Noted May 5.

Calif., Colusa—HOTEL—Citizen's Hotel Assn. c/o W. H. Weeks, archt., 369 Pine St. San Francisco, having plans prepared hotel, probably concrete. $150,000.

Calif., Los Angeles—APARTMENT—W. C. West, c/o F. Webster, archt., Guaranty Bldg., having plans prepared 4 story and basement, 122 room, concrete, Franklin Ave. $225,000.

Calif., Los Angeles — HOTEL—A. B. Taggart, c/o W. E. Chadwick, archt., Union League Bldg., having preliminary plans prepared 4 story and basement, 30 x 120 ft., brick, West Pico St. $150,000.

Calif., Los Angeles—THEATRE—Vega Corp., 5625 Whittier Blvd., having plans prepared by W. E. Chadwick, Union League Bldg., rein.-con., Whittier Blvd. $150,000 or more.

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Buildings—Commercial (Continued)

Calif., North Sacramento—THEATRE—P. Prom, c/o Starks & Flanders, archts., Ochsner Bldg., Sacramento, had plans prepared 1 story, rein.-con., 1,000 seating capacity, Del Paso Blvd. $150,000.

Calif., Redondo Beach—CLUB and HOTEL—Elks Club of Redondo Beach, having sketches made by Dwyer & Van Dorn, 3142 Wilshire Blvd., Los Angeles, 7 and 10 story and basement club and hotel, etc. $1,000,000.

Calif., San Diego — APARTMENT — J. Black, c/o L. A. Smith, archt., Film Exch. Bldg., Los Angeles, having plans prepared 5 story and basement, brick apartment, $300,000.

Calif., San Francisco—APARTMENT—Marine View Apartments, Inc., c/o W. Polk Co., 277 Pine St., having preliminary plans prepared 13 story and basement, probably rein.-con., Chestnut St. between Hyde and Larkin Sts. $750,000.

Calif., San Francisco—APARTMENT—A. W. Wilson, c/o C. A. Meussdorffer, archt., Humboldt Bank Bldg., had plans prepared 7 story and basement, steel and rein.-con., Pacific and Webster Sts. $150,000.

B. C., Vancouver—EXHIBITION—Plans election in December, $250,000 bonds, rein.-con. permanent exhibition buildings, Hastings Park, A. J. Bird, city archt.

Ont., Niagara Falls — HOTEL — United Hotels of America, G. O'Neil, genl. mgr., King Edward Hotel, Toronto, takes bids about Oct. 15, 10 story, stone addition, River Road, here. $1,000,000. Eisenwehr & Johnson, 781 Ellicott Sq., Buffalo, N. Y., archts.

Ont., Ottawa — HOTEL — C. Burgess, archt., 185 Sparks St., preparing plans and soon takes bids 9 story and basement hotel, Sparks St., for R. L. Blackburn, $800,000. Noted Sept. 15.

Ont., Toronto — APARTMENT — Price Constr. Co., 375 Bay St., having plans prepared by K. Hystop, 43 Adelaide St. W., 6 story and basement, 80 x 100 ft., concrete, brick, steel and stone apartment. $250,000.

Ont., Toronto—ELECTRICAL and ENGINEERING—Canadian Natl. Exhibition, Lumsden Bldg., having plans prepared by Chapman & Oxley, Northern Ontario Bldg., and soon takes bids 1 story, 223 x 487 ft., concrete, brick, steel and stone, Exhibition Park. $650,000.

Bids Desired

Mass., Brighton (Sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Brookline (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Wellesley (br. Boston)—STORE, OFFICE and SHOP — See "Contracts Awarded."

Mass., Worcester — HOTEL—See "Contracts Awarded."

N. Y., Brooklyn — APARTMENT — H. Shurgin, 715 Avenue S, taking bids 6 story and basement, 87 x 20 ft., brick, plain foundation, West 9th St. and Quentin Rd. $200,000. M. Courtland, 366 5th Ave., New York City, archt.

N. Y., Brooklyn—BANK—Oct. 11, by Halsey, McCormack & Helmer, archts., 286 5th Ave., New York City, 40 story, 98 x 202 ft., steel, Hanson and Ashland Pls., here, for Williamsburg Savings Bank. $4,000,000. F. Sutton, 140 Cedar St., New York City, engr.

N. Y., New York — HOSPITAL and NURSES HOME—Oct. 3, by French Hospital, 450 West 34th St., 15 story, 80 x 160 ft., hospital and 8 story, 70 x 80 ft. nurses home, brick and steel, concrete and wood pile foundations, 8th Ave. between 29th and 30th Sts. $2,000,000. Crow, Lewis & Wick, 200 5th Ave., archts. Noted June 24.

N. Y., White Plains—CENTER—Oct. 13, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, Westchester Co. Center Building, here, Contr. 125. J. Downer, Bronxville, ch. engr.; adv. E. N.-R. Sept. 29.

N. Y., Woodside (Ind. br. Flushing)—APARTMENTS—Oct. 1, by Lerose Constr. Co., 570 7th Ave., New York City, 6 story and basement, 100 x 150 ft., brick, plain foundation, Foster Ave. and Packard St., here, $250,000. M. J. Morrison, 63 Park Row, New York City, archt.

N. J., East Orange—SHOW ROOM and GARAGE—Baldwin Constr. Co., Central Ave., and E. V. Warren, archt., 31 Clinton St., Newark, taking bids general contract 2 story and basement, 120 x 200 ft., brick, steel and stone, plain foundation. $150,000.

N. J., Elizabeth — APARTMENT — See "Contracts Awarded."

N. J., Newark — APARTMENT — See "Contracts Awarded."

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Pa., Greensburg—BANK—Sept. 30, by Barclay Westmoreland Trust Co., 1 story and mezzanine, rein.-con., brick and steel, plain foundation. $200,000. Hopkins & Dentz, 415 Lexington Ave., New York City, archts.

Pa., Phila.—HOSPITAL—Oct. 5, by W. E. Herring, pres. Hahnemann Medical College and Hospital, 15th and Race Sts., 16 story, 123 x 150 ft., and 42 x 79 ft., rein.-con., steel and limestone, plain foundation, Broad St. $2,000,000. H. H. Marshall, 37 West 43rd St., New York City, archt., and Pettitt & Ferris, 115 West 45th St., New York City, engrs. Noted Mar. 10.

D. C., Wash.—EMBASSY—F. H. Brooks, archt., 1218 Connecticut Ave. N. W., taking bids concrete embassy building, Massachusetts Ave. and Observatory Circle, for Great Britain, Office of Works, London, England, superv. archt. Noted July 14.

Miss. Howell—HOSPITAL—Oct. 5, by Mississippi State Hospital, R. L. Brown, secy. Removal Impvt. & Land Sale Comn., Jackson, 2 educational, 2 infirmary and 2 occupational buildings, also power plant, all rein.-con. and brick, here. $500,000.

Miss., Whitfield—INFIRMARIES—Oct. 5, by R. L. Brown, secy. Improvement & Land Com., Jackson, 2 story and basement, 47 x 104 ft., with two 26 x 105 ft. wings, rein.-con. and brick, concrete pile foundation, here. N. W. Overstreet, Jackson, archt. and engr.

O., Cincinnati—HOSPITAL—Oct. 18, by Comrs. Hamilton Co., Court House, 4 story and basement, brick and rein.-con., plain foundation, Springfield St. $250,000. Rendigs, Panzer & Martin, Southern Ohio Bank Bldg., archts. Noted June 30.

O., Cleveland — HOSPITAL — Rainbow Hospital, c/o M. B. Wilson, supt., 2233 East 55th St., taking bids 2 story and basement, brick, steel and concrete, Richmond Rd. $500,000. Warner & McCornack, Bulkley Bldg., archts.

Mich., Detroit — OFFICE—Oct. 4, by Smith, Hinchman & Grylls, archts. and engrs., 800 Marquette Bldg., general contract 29, 35 and 40 story and basement, 80 x 200 ft., rein.-con., brick, terra cotta and steel, Griswold St., for Union Trust Co., Union Trust Bldg. $8,000,000. Noted Apr. 28 and Aug. 4.

Mich., Detroit—STORE—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., taking bids 10 story and basement, 40 x 150 ft., rein.-con., brick, steel and stone, plain foundation, Woodward Ave., for Kern Dept. Store, E. Kern, Woodward Ave.

Mich., Lansing—HOSPITAL—Oct. 4, by Bowd & Munson, archts., 409 Wilson Bldg., 3 story and basement, rein.-con., brick and steel addition, plain foundation, Michigan Ave., for Edward Sparrow Hospital, 1215 East Michigan Ave. $150,000.

Minn., Minneapolis—STORE and OFFICE—See "Contracts Awarded."

Mo., Cape Girardeau—HOTEL—Oct. 1, at office R. K. Knox, superv. archt., 424 H. H. Bldg., 6 story and basement, 42 x 43 x 82 ft., and 43 x 126 ft., rein.-con., brick and terra cotta, Bway. and Fountain St., for Cape Girardeau Hotel Co., c/o C. L. Harrison, pres. $250,000. Manske & Bartling, 410 North Euclid Ave., St. Louis, archts.

Mo., St. Louis — COMMERCIAL — Aegerter & Bailey, archts., 1904 Ry. Exch. Bldg., taking bids 4 story and basement, 25 x 104 ft., rein.-con. and brick, Pine St., for A. H. Eilers, 4950 Warwick St.

Tex., Liberty—COURTHOUSE—Oct. 11, by C. G. Curtis, archt., Houston, 3 story, rein.-con, here, for Liberty Co. $210,000. Noted Aug. 18.

Tex., San Angelo—COURTHOUSE—Oct. 15, by J. T. Mathison, judge Tom Green Co., 2 story and basement, 64 x 175 ft., rein.-con., brick, stone and steel courthouse, $275,000. A. F. Korn, 816 Thomas Bldg., Dallas archts. Noted Sept. 22.

Calif., Oakland — APARTMENT — See "Contracts Awarded."

Calif., San Francisco — HOTEL—See "Contracts Awarded."

Calif., San Francisco — OFFICE—See "Contracts Awarded."

Bids Received

O., Cincinnati — OFFICE — Fountain Square Building Co., 2400 Gilbert Ave., 20 story and basement, 33 x 100 ft., brick and rein.-con., plain foundation, 5th and Walnut Sts., from J. and F. Harig, 1240 Queen City Ave., $1,000,000.

Contracts Awarded

Mass., Brighton (Sta. Boston)—APARTMENT—Davis Realty Trust, c/o P. Davis, 25 Pemberton Sq., will build 5 story and basement, 75 x 100 ft., brick and stone, plain foundation, Washington St., by day labor. Silverman, Brown & Heenan, 51 Cornhill, Boston, archts.

Mass., Brookline (br. Boston)—APARTMENT—H. Berch, 12 Colorado St., Mattapan, will build 3 unit apartment, 3 sto[ry] and basement, 80 x 120 ft., brick, pla[in] foundation, Amory St. $150,000. Wo[rk] will be done by separate contracts. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., Cambridge (br. Boston)—MERCANTILE—M. H. Gulesian, 85 Commonwealth Ave., Newton, 3 story and basement, 125 x 180 ft., rein.-con. brick, plain foundation, Brookline, Tudor and Emily Sts., to Marden & Orlando, 146 River Rd., Winthrop. Archts. est. $150,000. Noted Sept. 22.

Mass., Danvers — HOME — Dept. Mental Diseases, State House, Boston, 3 story and basement male attendants home, brick and stone, plain foundation, at Danvers State Hospital, here, to W. J. Delaney, 283 Essex St., Lawrence. Noted Sept. 1.

Mass., Wellesley (br. Boston) — STORE, OFFICE and SHOP — Owner, c/o C. H. Waterman, Pemberton Bldg., Boston, will bild 2 story and basement, brick and stone, plain foundation, Grove and Washington Sts., Wellesley Sq., here; by day labor. $300,000. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., Worcester — HOTEL — L. Chase, 390 Main St., will build 5 story and basement, 50 x 130 ft., brick, plain foundation, Washington Sq. by day labor. F. R. MacNewen, 400 Burncoat St., archt. Noted June 30.

R. I., Providence — THEATRE and OFFICE—Marcus Loew, Inc., 154 Bway., New York City, brick and steel concrete pile and wood pile foundation, Weybosset, Page and Pine Sts., here, to M. Shapiro & Sons, 1560 Bway., New York City. Archts. est. $900,000. Noted June 30.

Conn., Norwich—WARDS—State of Connecticut, Norwich State Hospital, F. S. Wilcox, supt., two 3 story, rein.-con., brick and steel addition, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $400,000. Noted Sept. 15.

N. Y., New York — SETTLEMENT HOUSE—Lenox Hill Neighborhood Assn., 51 East 69th St., settlement house, 321 East 70th St., to Edward Corning Co., 145 East 45th St. Archts. est. $430,000. Noted Feb. 3.

N. Y., New York — WAREHOUSE, STORE and GASOLINE STATION — Mogar Realty Co., Inc., c/o C. H. Gillespie, archt., 1170 Bway., general contract 1 and 2 stor[y] and basement, 100 x 108 ft., rein.-con., brick and steel, concrete pile foundation, 606 East Fordham Rd., to Babor-Comeau & Co., Grand Central Terminal Bldg. Archts. est. $175,000.

N. J., Elizabeth—APARTMENT—Lewis Constr. Co., 175 West End Ave., Newark, will build 4 story and basement, 50 x 130 ft., brick and steel, plain foundation, 419-21 Pennington St. $150,000. Work will be done by separate contracts. E. Gerber, 175 West End Ave., Newark, archt.

N. J., Glassboro—DORMITORY—Bd. Institutions & Agencies, Trenton, general contract 3 story and basement, 46 x 168 ft., brick and steel, plain foundation, here, to George H. Evans, Inc., 1416 Vine St., Phila., Pa. Archts. est. $150,000. Noted Aug. 25.

N. J., Hoboken—DEPARTMENT STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., general contract 3 story and basement, 50 x 100 ft., brick and steel, plain foundation, 226-28 Washington St., here, to Kuhn, Smith & Harris, 461 8th St., New York City. Archts. est. $150,000. Noted Aug. 25.

N.J., Kearny (Sta. Arlington)—OFFICE Guilbert & Betelle, archts., 24 Branford Pl., Newark, 5 story and basement, brick and steel, plain foundation, here, to G. A. Fuller Co., 17 5th Ave., New York City, for Congoleum—Nairn, Inc., Belgrove Dr. Archts. est. $150,000. Noted Aug. 18.

N. J., Newark—APARTMENT—I. Gorfman, 301 Goldsmith Ave., will build 5 story and basement, 60 x 110 ft. brick and steel, plain foundation, Osbourne Terrace. $150,000. Work will be done by separate contracts. S. Cohen, 134 Branford Pl., archt.

N. J., Newark—APARTMENT—Lincoln Ave. Holding Corp., 115 Park St., Orange, will build 4 story and basement, 125 x 150 ft. brick and steel, plain foundation, Lincoln St., here. $150,000. Work will be done by separate contracts. R. Bottelli, 45 Branford Pl., archt. Noted Sept. 15.

N. J., Newark—APARTMENT—Delavan Constr. Co., 69 Huntington Terrace, will build 4 story and basement, 75 x 125 ft., brick and steel, plain foundation, 33 Romaine Pl. $150,000. Work will be done by separate contracts. E. Gerber, 786 Broad St., archt. Noted Sept. 15.

N. J., New Brunswick—COMMERCIAL—Pub. Serv. Gas & Electric Co., 80 Park Pl., Newark, 2 story and basement, brick and steel, plain foundation, Albany and

Buildings—Commercial (Continued)

Neilson Sts., here, to G. B. Rule, Inc., 71 John St. Archts. est. $150,000. Noted Sept. 1.

N. J., New Providence—SANATORIUM—Union Co., Elizabeth, carpentry, masonry work and painting Bonnie Burn Sanitorium, here, to C. Heddon Co., 132 Union St., Newark, $424,432; heating and ventilating, also plumbing, to Jaehnig & Peoples, 221-13th Ave., $73,988 and $111,427 respectively.

Pa., Dormont (mail Pittsburgh)—THEATRE—Harris Amusement Co., Davis Theatre Bldg., Pittsburgh, general contract 1, 2 and 3 story and basement, 75 x 100 ft., brick and steel, West Liberty Ave., here, to F. K. Becker, Granden Ave. Archts. est. $200,000. Noted Sept. 15.

Pa., Phila. — APARTMENT — Walnut Lane Apartments, c/o O. R. Perry, archt., 1524 Sansom St., 6 story and basement, 100 x 234 ft., rein.-con., brick and steel, plain foundation, Wayne Ave. and Walnut Lane, to J. M. Yardley, 1700 Walnut St. Archts. est. $800,000.

Pa., Phila.—OFFICE—N. W. Ayers & Son, 3rd and Chestnut Sts., 13 story and basement, 103 x 115 ft., rein.-con., brick and steel, plain foundation, West Washington Sq., to Ketcham & McQuaid, 1029 Brown St. Archts. est. $1,600,000. Noted Dec. 30.

Pa., Phila.—SALE and SERVICE—P. S. Tyre, archt., 114 South 15th St., 2 story, 95 x 118 ft., rein.-con. and brick, plain foundation, 57th and Walnut Sts., to Wark Co., 1660 Walnut St., for Ware Bros., c/o architect. Noted Sept. 15.

Pa., Pittsburgh—OFFICE—Grant Building, Inc., c/o W. J. Strassberger, Farmers Bank Bldg., general contract 35 story and basement, 100 x 127 x 171 ft., brick and steel office building, incl. 5 story and basement ramp garage, Grant St., 3rd and 4th Aves., to Thompson Starrett Co., 250 Park Ave., New York City. Archts. est. $6,000,000. Noted Sept. 8.

Ky., Louisville—BANK and OFFICE—Joseph & Joseph, archts., Francis Bldg., general contract 10 story and basement, 40 x 200 ft., irregular shaped, rein.-con., brick and steel, plain foundation, 4th St., to A. Markham & Co., 432 South Floyd St., for Liberty Insurance Bank, 2nd and Market Sts. Archts. est $800,000. Noted Aug. 18.

O., Cincinnati—APARTMENT—Jefferson Corp., 1010 Schmidt Bldg., 3 story and basement, 100 x 180 ft., brick and rein.-con., plain foundation, Rockdale St., to M. Penker & Son, 123 Valencia St., $150,000. Noted Aug. 4.

In., Fort Wayne—OFFICE—Western Gas Constr. Co., 1429 Buchanan St., 2 story, rein.-con., Indiana limestone and brick office building, to Rust Eng. Co., 311 Ross St., Pittsburgh, Pa. Archts. est. $160,000.

Mich., Detroit—APARTMENT—E. H. Gilmer, 2913 West Warren Ave., 4 story and basement, 100 x 165 ft., brick and steel, plain foundation, Fairview Ave., to C. Schollenberger, 4731 Spokane Ave., Archts. est. $150,000.

Mich., Detroit — MERCANTILE—J. L. Hudson Co., Gratiot and Farmer Sts., 16 story and 4 basements, 200 x 220 ft., with tower 418 ft. high, rein.-con., brick, steel and stone, caisson foundation approximately 750,000 sq.ft. floor space, Woodward Ave., to Bryant & Detwiler Co., 2336 Dime Bank Bldg. Noted Sept. 8.

Ill., Chicago — APARTMENT — E. F. Behrens, archt., 605 North Michigan Ave., masonry contract 8 story and basement, 56 x 85 ft., brick, 1426-32 Howard Ave., to H. B. Ryan Co., 500 North Dearborn St., for Berchwood Building Corp., 605 North Michigan Ave. Archts. est. $350,000. Noted Mar. 4.

Ill., Chicago—APARTMENT—H. Zisook, 1209 East 55th St., masonry and carpentry contract 3 story, 100 x 172 ft., brick and stone, 1700-08 Lunt Ave., to L. Rubin, 4958 North St. Louis Ave. Archts. est. $250,000. Noted Aug. 11.

Ill., Chicago—APARTMENT—H. Zisook, 1209 East 55th St., masonry contract 8 story, 78 x 90 ft., brick, 5711-17 Kenwood Ave., to Rune & Son, 6744 Ridgeland Ave. Archts. est. $250,000. Noted Aug. 11.

Ill., Chicago—APARTMENT—E. A. Shilton, 637 North Michigan Ave., 17 story, 42 x 74 ft. apartment, Astor and Goethe Sts., to H. A. McClennan & Co., 307 North Michigan Ave. Archts. est. $600,000.

Ill., Chicago—APARTMENT HOTEL—Birchwood Building Corp., c/o E. F. Behrens, archt., masonry contract 8 story, 56 x 85 ft., fireproof, 1430 Howard St., to H. P. Ryan & Co., 500 North Dearborn St.; carpentry, to E. Johnson; heating, to Progressive Heating Co., 4516 Irving Park Blvd.; plumbing, to Fettes, Love & Sieben, 1426 Irving Park Blvd.; elevators, to Elevator Co. of America, 190 North State St. Archts. est. $450,000.

Ill., Chicago—HOSPITAL—D. G. Wallace, archt., 22 West Monroe St., masonry contract 9 story, 40 x 115 ft., brick, rein.-con. and stone addition to Woodlawn Hospital, 61st St. and Drexel Ave., to A. and E. Anderson Co., 228 North La Salle St.; heating, to C. W. Johnson, Inc., 211 North Des Plaines Ave.; plumbing, to Noble & Thumm, 1065 Addison St., electric wiring, to White City Electric Co., 14 North Franklin St.; plastering to J. J. Brown, 53 West Jackson Blvd., for Woodlawn Hospital, 826 East 61st St. Archts. est. $300,000. Noted Aug. 11.

Ill., Chicago—OFFICE and STORE—E. M. Willoughby, 77 West Washington St., general contract 36 story basement, and 5 story tower, 80 x 109 ft., Madison St. and Michigan Ave., to Henry Ericsson Co., 228 North La Salle St. Noted Sept. 22.

Ill., Harvey—HOTEL and STORE—Zimmerman, Saxe & Zimmerman, archts., 212 East Superior St., Chicago, general contract 7 story, 75 x 125 ft., rein.-con., brick and stone, Center St. between 153rd and 154th Sts., to Fridstein & Co., 111 West Washington St. for P. J. Tilling c/o architects. Archts. est. $300,000. Noted Sept. 15.

Ill., Hillsdale—MEMORIAL and HALL—E. H. Clark, archt., 8 East Huron St., Chicago, 2½ story, brick and stone, here, to Adams Constr. Co., 217 North Clarkson Court, Chicago, for Hillsdale Memorial Building Assn. Archts. est. $150,000. Noted Aug. 18.

Wis., Milwaukee — APARTMENT—Peacock & Frank, archts., 445 Milwaukee St., general contract 8 story and basement, 90 x 180 ft., rein.-con. and brick, plain foundation, 23rd and Wisconsin Sts., to T. Stark & Co., 130 Muskego Ave., for Clarenton Realty Co. Archts. est. $325,000. Noted Sept. 8.

Wis., Milwaukee—WAREHOUSE—Coakley Bros., 450 Prospect St., general contract 8 story and basement, 74 x 150 ft., rein.-con. and brick, plain foundation, 3630 Wisconsin Ave., to Bentley Bros., South Pierce St. Archts. est. $175,000.

Minn., Minneapolis—STORE and OFFICE—P. H. Phillips, 4514 Arden Ave., will build 3 story and basement, rein.-con., brick and stone, 331 5th Ave. S., by day labor. $150,000. P. E. Crosier, 915 New York Life Bldg., archt.

Minn., Minneapolis — WAREHOUSE—Hall Hardware Co., G. E. Hall, pres., 608 3rd St. N., general contract 3 story (ultimately 8 story) and basement, 125 x 150 ft., rein.-con. and brick, 3rd St. North, to James Leck Co., 211 South 11th St. $150,000. Noted Jan. 13.

Mo., Kansas City—DANCE HALL and STORE—T. O. Bright, 31st St. and Prospect Ave., 2 story, rein.-con., brick and terra cotta, 31st St and Gillham Rd., to J. Thompson Constr. Co., Huntzinger Bldg. Archts. est. $200,000.

Mo., St. Louis—GARAGE—J. J. Stedelin, c/o Aegerter & Bailey, archts., 1904 Ry. Exch. Bldg., 1 story and part basement, 75 x 213 ft., rein.-con., brick, and stone, West Pine Blvd., to C. B. McCormack, Columbia Bldg.

Mo., St. Louis—HOTEL—Teich & Sullivan, archts., 814-18 Garrick Bldg., 64 West Randolph St., Chicago, Ill., altering 12 story mezzanine and basement, hotel, and constructing 58 x 100 ft. and 57 x 100 ft. wings connected by 24 x 104 ft. bridge, rein.-con., brick, stone and steel, Locust Blvd., here, to Boaz-Kiel Constr. Co., Ambassador Bldg., for Hotel Jefferson Co., L. T. Hay, pres., 12th St. and Locust Blvd. Archts. est. $2,000,000. Noted May 12.

Tex., Bryan—HOTEL—R. W. Howell, Bryan, 7 story, 51 x 100 ft., rein.-con., brick, stone and steel, Main and 27th Sts., to Bellows-Maclay Constr. Co., Const.-Ind. Bldg., Dallas, for La Salle Hotel. $250,000. Noted Apr. 7.

Tex., Dallas — OFFICE — Southwestern Bell Telephone Co., 11th and Pine Sts., St. Louis, Mo., general contract 16 story and basement, 107 x 175 ft., brick, stone, steel, terra cotta and rein.-con., Akard and Wood Sts., here, to Henger & Chambers, Slaughter Bldg. Archts. est. $2,500,000. Noted June 30.

Tex., Terrell — ADMINISTRATION — State Bd. Control, c/o H. H. Harrington, chn., Austin, general contract 4 story and basement, 50 x 125 ft., rein.-con., brick and steel, State Hospital for Insane, here, to Barnes & McCord, 820 North Beckley St., Dallas, $123,935.

Okla., Vinita—HOSPITAL—State Bd. of Affairs, Capitol, Oklahoma City, 2 story and basement, 88 x 146 ft., rein.-con. and brick, plain foundation, on campus East Oklahoma Hospital, here, to Manhattan Constr. Co., Muskogee, $142,490. Noted Sept. 8.

Calif., Eureka—HOSPITAL—F. M. Kay, clk. Humboldt Co., general contract rein.-con. hospital, to Mercer-Fraser Co., 2nd and Commercial Sts., $289,000; plumbing, to Latourette-Fiscal Co., 907 Front St., Sacramento, $41,960. Noted Aug. 18.

Calif., Hollywood—APARTMENT—T. H. Miller, c/o Architectural Group, headed by R. Neutra, archt., 835 Kings Rd., 13 story and basement, Franklin and Argyle Aves., to State Constr. Co., 707 Financial Center Bldg., Los Angeles, $1,006,000.

Calif., Long Beach—OFFICE—Jergins Trust Co., Pine and Ocean Aves., 3 story, 150 x 150 ft. steel and concrete addition, to F. R. Johnson, 101 Wilshire Blvd., Beverly Hills, approximately $275,000.

Calif., Los Angeles—APARTMENT—H. B. Crown, 3 story and basement, brick, Carondelet St., to Halper & Kagan, 607 Hibernian Bldg. $150,000.

Calif., Los Angeles—BANK and OFFICE—Pacific Southwest Trust & Savings Bank, 565 South Spring St., 6 story and 190 ft. tower, 72 x 110 ft., steel and rein.-con., Hollywood Blvd. and Highland Ave., to Meyer & Holler, Wright & Callender Bldg., $500,000. Noted Aug. 11.

Calif., Los Angeles—HALL OF HUMANITIES—California Institute of Technology, 3 story and basement, 50 x 150 ft., rein.-con. and steel, to W. C. Crowell, 459 South Bway., approximately $185,000.

Calif., Los Angeles—OFFICE—Syndicate now being organized, 6 story and basement, rein.-con., North Vermont Ave., to L. T. Mayo, Black Bldg., approximately $400,000.

Calif., Los Angeles—STORE and OFFICE—Curlett & Beelman, archts., Union Bank Bldg., 3 story and basement, 65 x 140 ft., concrete, 6th and Alvarado Sts., to Baruch Corp., 1015 Lincoln Bldg., for Sun Realty Co., c/o architects. $175,000. Noted Sept. 8.

Calif., Merced—BANK and OFFICE—Bank of Italy, Eddy and Powell Sts., San Francisco, 3 story and basement, rein.-con., 17th and L Sts., to K. E. Parker, 135 South Park St., San Francisco, $195,000. Noted Aug. 11.

Calif., San Francisco — HOTEL — J. Dempniak, 1214 Jones St., will build 6 story and basement, steel and concrete, Jones St. near Eddy St., by day labor and segregated contracts. $150,000. H. C. Baumann, 251 Kearny St., archt.

Calif., San Francisco—OFFICE—A. H. Bergstrom, Call Bldg., will build 3 story and basement, rein.-con., Van Ness Ave. and Jackson St., by day labor and segregated contracts. $550,000. Clausen & Amandes, Hearst Bldg., archts.

Ont., Ottawa—HOTEL—J. S. Archibald, archt., Chateau Laurier Hotel addition, Lideau St., here, to Foundation Co. Ltd., 746 Sherbrooke St. W., Montreal, Que., 1134 Beaver Hall Hill, Montreal, Que., for Canadian Natl. Rys., 230 St. James St., Montreal, Que. Noted Sept. 8.

Buildings—Industrial

Proposed Work

Mass., Brighton (sta. Boston) — FERTILIZER — New England Rendering Co., 4 Abattoir Grounds, plans fertilizer building. $40,000. Engineer and architect not selected.

Mass., Dorchester (br. Boston)—HEATING PLANT and GARAGE—Transit Dept., 1 Beacon St., Boston, having plans prepared 1 story, rein.-con., brick and steel, plain foundation, Fields Corner, here. $100,000. E. R. Springer, Transit Dept., 1 Beacon St., Boston, engr.

Mass., Worcester—GARAGE and STORE—B. L. Coonan, 6 Tahanto Rd., having plans prepared by G. C. Halcott, 32 Franklin St., rein.-con., brick and steel, Pleasant St. $45,000.

Conn., Bridgeport — GARAGE — A. Abriola, 1998 Main St., having plans prepared by J. L. Vannucci, 1024 Main St., 1

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Buildings—Industrial (Continued)

story, 100 x 150 ft., rein.-con. and brick, Thompson St. $40,000.

Conn., Meriden — PLANT — Fletcher & Thompson, Inc., archts., 542 Fairfield Ave., Bridgeport, soon lets contract 2 story, 60 x 150 ft., and 75 x 100 ft., brick and timber addition, here, for Bassick Co., Center and Britainia Sts. To exceed $40,000.

N. Y., Harrison—FACTORY—Ballinger Co., archt. and engrs., 100 East 42nd St., New York City, takes bids about Oct. 15, 1 story and part basement, brick and steel, West St., here, for Intertype Corp., 300 Furman St., Brooklyn. $500,000.

Md., Baltimore—PLANT—A. Weiskittel & Son Co., Lombard and 12th Sts., plans 1 story plant addition. $100,000.

Va., Richmond — COKE PLANT — Virginia Domestic Coke Corp., T. E. Pierce, pres., Waterford, plans plant near here. $2,000,000.

Tenn., Chattanooga—PLANT—Star Box & Printing Co., 17th and Chestnut Sts., J. Kain, genl. mgr., plans (1st unit) rein.-con. plant, on 200 x 300 ft. site. $100,000. Total $350,000.

O., Cleveland—FACTORY—Kaffee Hag Co., G. Gund, pres., 1476 Davenport Ave., had plans prepared by C. G. French, engr and archt., Plymouth Bldg., 3 story and basement, 100 x 100 ft., brick and rein.-con., 1476 Davenport Ave. $100,000.

O., Cleveland — FACTORY—Standard Envelope Co., J. H. Altman, pres., 1600 East 30th St., had plans prepared by Christian, Schwarzenberg & Gaeda, 1900 Euclid Bldg., 1 story, 80 x 115 ft., brick and rein.-con. $50,000.

O., Cleveland—FACTORIES—Haberman Provision Co., c/o A. Habermann, secy., 2302 Bway., had plans prepared by Anders & Reimers, engrs. and archts., Erie Bldg., 1 and 3 story, 61 x 180 ft., and 160 x 180 ft., brick, steel and concrete, West 65th St. $125,000.

Ind., Anderson—PICKLING PLANT—Ames Shovel & Tool Co. had plans prepared (3rd unit) 3 story, 35 x 60 ft., brick and steel plant.

Ind., Kokomo — SHEET BAR MILL — Continental Steel Corp., H. Roemer, pres., had plans prepared sheet bar mill addition.

Kan., Manhattan — POWER HOUSE — State Building Comn., H. E. Shrock, bus. mgr., having plans prepared by C. D. Cuthbert, 1415 Jewel St., Topeka, 3 story and basement, 51 x 210 ft. with 83 x 105 ft. wing, rein.-con., brick and steel, here, for the Kansas Agricultural School. $325,000. Noted Jan. 6.

Mo., Clinton—POWER PLANT—Missouri Pub. Serv. Co., c/o Inland Power & Light Corp., 411 North 7th St., St. Louis, soon takes bids 1 story and basement, rein.-con. and brick addition, and installing 5,000 kw. unit, etc. $500,000. Private plans.

Mo., St. Louis — LAUNDRY — Holloran-Klaus Co., c/o P. J. Holloran, 1517 Clark Ave. and O. J. Krieg, 821 Wainwright Bldg., soon lets contract 2 story and basement, 50 x 91 ft., rein.-con., steel and iron addition. $60,000. Noted Sept. 15.

Tex., Beeville — ICE and COLD STORAGE — Central Power & Light Co. soon takes bids enlarging and rebuilding present plant. $100,000.

Tex., Eagle Pass—ICE PLANT—Crystal Ice Factory, c/o A. Kifuri, plans rebuilding ice plant, probably 40 ton capacity, recently destroyed by fire. $45,000.

Tex., Galveston—COMPRESS—Southern Compress Co., 511 37th St., having plans prepared doubling present 20,000 bale capacity plant, 44th and 48th Sts. $75,000. Private plans.

Tex., Galveston—ICE PLANT—T. A. Hunter, 1127 A St., having preliminary plans and surveys made, 50 ton capacity ice plant. $75,000. Private plans.

Tex., Galveston — WIRE and NAIL PLANT—C. S. Porter, et al, 1115-35th St., had plans prepared, (1st unit) 1 story, 310 x 360 ft. metal plant. $50,000. Private plans. Noted Aug. 11.

Tex., Houston—PUBLISHING PLANT—Rein Printing Co., 1108½ Caroline St., soon takes bids 2 story, rein.-con. and brick, Buffalo Dr. $100,000.

Tex., Houston—FACTORY—C. W. Scott Mfg. Co., C. W. Scott, pres., 701-7 Rusk Ave. had plans prepared by J. Finger, 422 Keystone Bldg., 3 story and basement, 119 x 210 ft., rein.-con., brick, tile and stone, near Preston Ave. $175,000.

Tex., Odessa — TORPEDO MANUFACTURING PLANT — Eastern Torpedo Co., c/o D. A. Koonz, mgr., having plans prepared brick, steel and concrete plant, near here. $75,000. Private plans.

Tex., San Antonio — FACTORY — Texas Pecan Shelling Co., c/o E. M. Zerr, 426 South Laredo St., having preliminary surveys made 5 story, shelling factory, incl. cold storage warehouse, etc., over 125,000 sq.ft. floor space, Salado, Monterey, and Comal Sts. $450,000. Private plans.

Tex., Temple — FACTORY — Texas Aero Assn. having plans prepared (1st unit) 45 x 300 ft. fireproof factory. Private plans.

Calif., Los Angeles—LAUNDRY—Peerless Laundry Co., 5826 South Main St., had plans prepared by H. L. Pierce, Wright-Callendar Bldg., 2 story, brick and timber laundry. $60,000. Site withheld.

Calif., San Francisco—CAR SHOPS, etc. —City and San Francisco Co., plan election $400,000 bonds, car shops for railway system; also $40,000 bonds, bus repair shops and garages. M. M. O'Shaughnessy, city engr.

Que., St. John—PLANT—Standard Drain Pipe Co. Ltd., W. C. Trottier mgr., making plans extending plant. $80,000.

Ont., Picton—PULP and PAPER MILL —Northwest Ontario Development Co. Ltd., c/o B. R. Hepburn, plans pulp and paper mill in Sioux Lookout Dist.

Ont Winchester—FURNITURE FACTORY—N. F. Beach plans rebuilding furniture factory, recently destroyed by fire. $200,000 loss.

B. C., Vancouver—GAS PLANT—B. C. Electric Power & Gas Co. Ltd., 425 Cornwall St., plans new 3,000,000 cu.ft. gas holder addition, tankless type, new water gas plant, purifiers, meters, etc. $650,000. J. Keillor, 425 Cornwall St., engr.

Bids Desired

Mass., Boston—SUB-STATION—Oct. 3, by Edison Electric Illuminating Co., 39 Boylston St., 4 story and basement, 80 x 100 ft., brick and stone, plain foundation, 31-33 Hawkins St. To exceed $40,000. Bigelow & Wadsworth, 120 Tremont St., archt.

N. J., West Orange—FACTORY—See "Contracts Awarded."

Miss., Howell — POWER PLANT — See "Buildings—Commercial."

Miss., Water Valley—POWER PLANT—See "Waterworks."

Wis., Kewaunee—FACTORY—See "Contracts Awarded."

Minn., New Prague—POWER PLANT—Oct. 7, by G. Sticha, city clk., remodeling power plant and distribution system, incl. new generating equipment, switchboard, etc. $40,000. J. H. A. Brahtz, 510 Guardian Life Bldg., St. Paul, engr.

Calif., Oakland—NEWSPAPER PLANT —See "Contracts Awarded."

Contracts Awarded

Mass., Jamaica Plain (br. Boston) — CLEANSING PLANT — J. Cohen, c/o Miller & Levi, archts., 46 Cornhill, Boston, 2 story, brick, plain foundation, 3000 Washington St., here, to Hub Constr. Co., 333 Washington St., Boston. Archts. est. $40,000. Noted Sept. 8.

Mass., Roxbury (Sta. Boston)—LAUNDRY—J. MacDonald, 250 Stuart St., Boston, plans 1 story, 85 x 100 ft., rein.-con. and brick addition plain foundation, 78 Langdon St., here, to J. MacDonald Constr. Co., 250 Stuart St., Boston. Archts. est. $40,000.

Mass., Waltham (Ind. br. Boston) — FACTORY—Industrial Tube Corp., H. J. Landon, 35 Lane St., altering and 1 story, 25 x 180 ft., rein.-con. addition, concrete foundation, Lane St. to J. C. Esterbill, 106 Buttonwood St., Dorchester. Architects est. $40,000.

Conn., East Hartford (br. Hartford)—SERVICE GARAGE — Connecticut Auto Parts Co., Connecticut Blvd., 1 story, 60 x 150 ft., rein.-con., brick and steel, Connecticut Blvd., to T. F. Lloyd, 5 Pleasant St. Archts. est. $40,000.

Conn., Springdale — MILL — Stamford Rolling Mills, 1 story, 112 x 215 ft. steel rolling mill, to F. E. Bray Co., 62 Cannon St., Bridgeport. Archts. est. $40,000. Noted Sept. 15.

N. J., West Orange—FACTORY—Ciocco Macaroni Co., Inc., 110 14th Ave., Newark, will build 2 story and basement, brick and steel, plain foundation, Ashland Ave. $40,000. Work will be done by separate contracts. R. Calabuse, 79 Mt. Prospect Ave., Belleville, archt.

Pa., Meadville—ROUND HOUSE—Erie R.R. Co., R. S. Parsons, ch. engr., 50 Church St., New York City, 1 story, irregular shaped, brick and steel extension, here, to Schofield Constr. Co., Schofield Bldg., Cleveland, O. Archts. est. $60,000.

Pa., Phila.—CIGAR FACTORY—A. Freeman, archt., 29 West 34th St., New York City, 8 story and basement, 119 x 125 ft., rein.-con. and brick addition to Bayak cigar factory, plain foundation, 9th and Columbia Sts., to Wark Co., 1660 Walnut St., for Columbia Realty Co., 9th and Columbia Sts. Archts. est. $650,000. Noted Sept. 15.

O., Cleveland—FACTORY—J. Laub Baking Co., 4901 Lorain Ave., 1 story, 35 x 87 ft., brick, steel and concrete, 4901 Lorain Ave., to S. W. Emerson Co., 1836 Euclid Ave. Archts. est. $40,000.

O., Cleveland—MACHINE SHOP—Standard Saw Mill Co., K. Fox, pres., 2705 East 55th St., 2 story, 50 x 100 ft., brick and steel, 8111 Kinsman Rd., to A. Teppel, 3616 East 146th St. Archts. est. $40,000.

Ind., Indianapolis — MACHINE SHOP and GARAGE—Chevrolet Co., 540 East Washington St., general contract 3 story and basement, 62 x 195 ft., rein.-con. and brick, 552-558 East Washington St., to J. A. Schumaker, 818 East St. Clair St. Archts. est. $85,000.

Wis., Kewaunee — FACTORY — Leyse Aluminum Co., A. Leyse, mgr., will build 2 story, 56 x 97 ft., rein.-con. and brick, plain foundation, here, by day labor. Private plans. Noted Sept. 1.

Minn., Rochester—BAKERY—Rochester Baking Co., general contract, 3 story and basement, 66 x 130 ft., rein.-con., brick, stone and steel, here, to C. Pagenhardt, Rochester. Archts. est. $75,000. Noted Sept. 15.

Mo., St. Louis—ICE STORAGE PLANT —Polar Wave Ice & Fuel Co., 3636 Olive St., 1 story, 91 x 110 ft., rein.-con. and brick, Rutger St., to Gillespie & Daly, 722 Chestnut St. Archts. est. $50,000.

Mo., St. Louis—PACKING PLANT—Laclede Packing Co., 2025 Shenandoah Ave., 2 story, 60 x 79 ft., rein.-con. and brick addition, 2226 McNair Ave., to W. H. Cubliff Constr. Co., 410 North Euclid Ave. Archts. est. $40,000.

Mo., St. Louis—BAKERY—White Baking Co., R. L. White, pres., 1303 Merchants-Bank Bldg., Indianapolis, Ind., general contract 1 and 2 story and basement, 150 x 200 ft., brick and steel bakery and stable, 3958 Papin St., here, to Woerman Constr. Co., Syndicate Trust Bldg. $147,850.

Mo., St. Louis—BOILER, TANK and BLACKSMITH SHOPS—Missouri Pacific R.R. Co., Ry. Exch. Bldg., 3 story, 133 x 144 ft., rein.-con. steel and corrugated asbestos, Ewing Ave. and Missouri Pacific R.R. tracks, to Gillespie & Daly, International Life Bldg. Archts. est. $90,000.

Calif., Los Angeles—STORAGE—Ingram Paper Co., 1112 Rio Vista Ave., 1 story and basement, 150 x 162 ft., rein.-con. and steel, 1504 Rio Vista Ave., to J. M. Cooper, 301 Rives-Strong Bldg., $100,000.

Calif., Oakland—NEWSPAPER PLANT —Oakland Post-Enquirer, 1751 Franklin St., will build 1 and 3 story, steel and concrete addition, Franklin St. To exceed $150,000. Work will be done by separate contracts. J. Morgan, Merchants Exch. Bldg., San Francisco, archt.

Calif., San Jose—CANDY FACTORY—O'Brien Candy Co., 30 South 1st St., 3 story and basement, concrete, South 1st St., to R. O. Summers, 17 North 1st St.

Ont., Hamilton — FACTORY — Firestone Tire & Rubber Co., Beach Rd., factory, to Yates Constr. Co., 17 Main St., $250,000. Noted July 28.

Ont., Kitchener—RUBBER FACTORY—Canadian Goodrich Rubber Co., 521 King St. W., general contract 3 story and basement, 100 x 132 ft., concrete, brick and steel addition, to Foundation Co. of Canada, 746 Sherbrooke St. W., Montreal, Que., plumbing and heating, to W. Knell & Co., 45 King St. W. Archts. est. $200,000.

Buildings—Educational, Religious

Proposed Work

Me., Eastport — CHURCH, CONVENT and RECTORY—Church of St. John the Evangelist, J. Sullivan, pastor, having plans prepared by J. J. O'Shaughnessy, 80 Boylston St., Boston, 2 story and basement, brick and limestone church, convent and rectory, plain foundation. $150,000.

Mass., Amesbury — CHURCH—Sacred Heart Roman Catholic Parish, J. H. Cote, pastor, Friend St., having plans prepared by J. G. Morrsette, 575 Essex St., Lawrence, 1 story and basement, 55 x 135 ft., brick, stone and marble, plain foundation, Friend St. $800,000.

Mass., Chicopee—COLLEGE—Academy of Our Lady of Elms, T. O'Leary bishop, having preliminary plans by J. W. Donahue, 1242 Main St., Springfield, probably brick and stone college. $150,000 or more.

Mass., Quincy (Ind. br. Boston)—CHURCH — First Methodist Episcopal

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Buildings—Educational, Religious (Cont.)

Church, E. R. Meyers, pastor, 40 Beale St., Wollaston, having preliminary plans by Cleveland & Godfrey, 248 Boylston St., Boston, 1 story and basement, 90 x 110 ft., granite, plain foundation, Beale St., Wollaston Dist. $150,000 or more.

Mass., Weston—SCHOOL—Sisters of St. Joseph, 617 Cambridge St., Brighton, having plans prepared by T. E. Sheehan, 120 Boylston St., Boston, 2 story and basement, brick, plain foundation, here. $150,000.

Conn., East Hartford (br. Hartford)—HIGH SCHOOL—City, c/o P. S. Barnes, supt., East Hartford School Bd., plans Junior High School. $300,000. Engineer and architect not selected.

Conn., Waterbury—CHURCH—West Side Hill Methodist Episcopal Church having plans prepared by Bureau of Architects, 1701 Arch St., Phila., Pa., 3 story, stone, incl. school, West Main St. To exceed $150,000.

N. Y., New York — SCHOOL of COMMERCE—Thompson, Holmes & Converse, archts., 101 Park Ave., takes bids about Nov. 1, for School of Commerce, 122 x 200 ft., Lexington Ave. and 23rd St., for Bd. Trustees, College of City of New York.

N. Y., Oyster Bay—SCHOOL—Bd. Educ. takes bids Oct. 10, 3 story and basement, 193 x 250 ft., brick, plain foundation. $550,000. Tooker & Marsh, 101 Park Ave., New York City, archts. Noted Mar. 4, 1926.

N. J., Boonton—SCHOOL—Bd. Educ., Town Hall, plans 2 story and basement, brick and steel, Maple and Lathrop Ave. $150,000. Engineer and architect not selected.

N. J., Clifton (Ind. br. Passaic)—SCHOOL—Bd. Educ., City Hall, having sketches made by Lee & Hewitt, 152 Market St. Paterson, 2 story and basement, brick and steel addition, plain foundation. $150,000.

N. J., Haledon—SCHOOL—Bd. Educ., Boro Hall, plans 2 story and basement, brick and steel, Barbour St. and Lee Ave. $200,000. Engineer and architect not selected.

N. J., Mays Landing—HIGH SCHOOL—Bd. Educ., Hamilton Twp., A. E. Smith, dist. clk., soon lets contract 3 story and basement, rein.-con. and brick, plain foundation. $250,000. S. H. Vaughn, Guarantee Trust Bldg., Atlantic City, archt. Noted July 21.

N. J., Morristown—HIGH SCHOOL—Bd. Educ., 50 Early St., having plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, 3 story and basement, brick and steel addition, plain foundation. $200,000.

N. J., Newark — INDUSTRIAL ARTS SCHOOL — Bd. Educ., City Hall, having revised sketches made by Guilbert & Betelle, 20 Branford Pl., Fawcett School of Industrial Arts, 3 story and basement, 100 x 100 ft., brick and steel, plain foundation, Washington and Academy Sts. $250,000. Noted June 9.

N. J., Newark — SCHOOL — Bd. Educ., Broad and Green Sts., having plans prepared by Guilbert & Betelle, 20 Branford St., 3 story and basement, brick and steel, plain foundation, 120 x 120 ft site, Washington and Academy Sts.

N. J., New Brunswick—SCHOOL—Bd. Educ., Livingston Ave., rejected bids general contract 2 story and basement, 55 x 130 ft., brick and steel, plain foundation, Stone St. $150,000. Will readvertise. A. Merchant, 52 Paterson St., archt. Noted Sept. 1.

N. J., Riverton — SCHOOL — Riverton School Bd., M. C. Boyer, pres., having plans prepared by Simon & Simon, 249 South Juniper St., Phila., Pa., school. $180,000.

N. J., South Plainfield—SCHOOL—Bd. Educ., Plainfield Ave., having plans prepared by G. M. Ricci, 224 Smith St., Perth Amboy 2 story and basement, brick and steel, plain foundation, Hamilton Blvd. $150,000. Noted Sept. 22.

N. J., West Orange—HIGH SCHOOL—Bd. Educ. having plans prepared by Guilbert & Betelle, 20 Branford Pl., Newark, Junior High School, 3 story and basement, brick and steel, plain foundation, Eagle Rock Rd. $250,000. Noted Mar. 17.

Pa., Pittsburgh—SCHOOL—Bd. Educ., Fulton Bldg., having plans prepared by E. B. Lee, Chamber of Commerce Bldg., Boys Vocational School, 6 story and basement, irregular shaped, brick and steel. $1,300,000. C. L. Woolridge, Fulton Bldg., engr.

Pa., Scottdale—SCHOOL—Bd. Educ. having plans prepared by W. G. Eckles Co., New Castle, 2 story and basement, irregular shaped, brick and steel addition, here. $150,000.

D. C Wash.—SCHOOL—District Comrs., District Bldg., having plans prepared remodeling and constructing Bryan School addition, D St. between 13th and 14th Sts. S. E., $125,000; Barnard School addition, 5th and Decatur Sts., $175,000; and extending Washington School, Potomac Heights, $85,000.

D. C., Wash.—SCHOOL—District Comrs., District Bldg., having plans prepared and takes bids about Dec. 15, addition to Margaret Murry Washington Vocational School, O St. N. W. $150,000.

D. C., Wash.—SCHOOL—District Comrs., District Bldg., having sketches made 24 room, brick school, 19th St. and Columbus Rd.

Va., Richmond—HIGH SCHOOL, etc.—Voted $775,000 bonds, new high school and enlarging other school buildings. Noted June 23.

La., Winnfield — SCHOOL — Winnfield Parish School Bd., S. E. Sikes, supt., soon takes bids 2 story brick and concrete school. $160,000. H. J. Duncan, 188 Murray St., Alexandria, archt. Noted July 2.

Tennessee—SCHOOLS—State Bd. Educ., P. L. Harned, comr., Memorial Bldg., Nashville, and Bd. Educ. of various counties having plans prepared by G. Mahan Jr., Amer. Bank Bldg., Memphis, 700 school buildings in various counties. $2,000,000.

O., Cincinnati—CHURCH—Archdiocesan Church, c/o 3rd Lutheran Church, Walnut St., having plans prepared by McGinnis & Walsh, c/o 3rd Lutheran Church, 3 story and basement, brick and rein.-con., plain foundation, 8th and Walnut Sts. $400,000.

O., Lakewood (br. Cleveland)—SCHOOLS—Bd. Educ., G. W. Grill, clk., 1456 Warren Rd., election Nov. 8, $250,000 bonds, 2 story and basement, brick, steel and concrete additions to Roosevelt and Hayes Schools. Engineer and architect not selected.

Mich., Lincoln Park (mail Detroit)—SCHOOLS—Bd. Educ., having plans prepared by Verner, Wilhelm & Molby, Book Bldg., Detroit, three 2 story and basement, rein.-con., brick and steel, plain foundations. $200,000.

Mich., Luddington — CHURCH — Community Congregational Church, W. Pleis, chn. building com., having plans prepared by S. C. Allen, 204 Eddy Bldg., Saginaw, 2 story and basement, 50 x 140 ft., brick and steel, plain foundation, Harrison St. $150,000.

Mich., Luddington — CHURCH—Stearns Memorial Church having plans prepared by S. C. Allen, 1312 South Washington St., Saginaw, 2 story and basement, rein.-con., brick, steel and stone, plain foundation, $200,000.

N. D., Grand Forks — DORMITORY—Company being formed, c/o T. E. Kane, chn. building com., University of North Dakota, takes bids about Oct. 1, 2 story and basement, rein.-con. and brick, on university campus. $150,000. T. B. Wells, 1st Natl. Bank Bldg., archt.

Mo., Kansas City — MUSEUM—Atkins Fund, c/o A. W. Childs, trustee, New England Bldg., having preliminary plans prepared by Wight & Wight, 400 1st Natl. Bank Bldg., fireproof, 44th St. and Rockhill Rd. $600,000.

Mo., St. Louis—ART SCHOOL—Shortridge Galleries, P. Shortridge, 4422 Washington Blvd., had plans prepared by E. E. Christopher, 1221 Louderman Bldg., 3 story and basement, 60 x 245 ft., rein.-con., brick and terra cotta art school, incl. gallery and auditorium, 4426 Washington Blvd. $200,000.

Mo., St. Louis—SCHOOL—Central Institute for Deaf, 818 South Kingshighway, takes bids probably in October, 3 and 4 story and basement, 80 x 216 ft., rein.-con., brick and stone addition. $300,000. W. B. Ittner, 911 Locust St., archt. Noted June 30.

Tex., Canyon—COLLEGE—West Texas Teachers College, c/o J. A. Hill, pres., takes bids about Oct. 15, 3 story, rein.-con. and brick, plain foundation. $275,000. E. F. Rittenberry, 301 Blackburn Bldg., Amarillo, archt.

Tex., Dallas—CHURCH—Highland Park Presbyterian Congregation, c/o W. A. Alexander, pastor, 3805 Mockingbird Lane, having plans prepared by M. Lemmon, 407 Const.-Ind. Bldg., rein.-con., brick and stone church. $250,000.

Calif., Gridley—HIGH SCHOOL—Trustees Gridley Union High School Dist., having revised plans prepared by Davis-Pearce Co., Grant and Weber Sts., Stockton, and soon takes new bids, high school, here. Former bids rejected. Noted June 9.

Bids Desired

Mass., Long Island (br. Boston)—DORMITORY—Oct. 5, by City of Boston, Institutions Dept., City Hall, plans 4 story and basement, rein.-con. and brick, plain foundation at Long Island Hospital, here, $300,000. J. H. Ritchie & associates., 250 Stewart St., Boston, archts. Noted Sept. 8.

Mass., West Roxbury (sta. Boston) — SCHOOL — Oct. 6, by City of Boston, Schoolhouse Dept., 2 story and basement, brick, granite and limestone, plain foundation, Russett Rd., Robert Gould Shaw Dist., here. $220,000. M. A. Dyer, 1 Beacon St., Boston, archt. Noted Sept. 15.

Conn., Hartford—TEMPLE—Oct. 6 (extended date), by C. R. Greco, archt., 11 Beacon St., Boston, 1 and 2 story and basement, 80 x 190 ft., and 100 x 125 ft., brick and stone, plain foundation, Farmington Ave., here, for Congregation Beth Israel, c/o architect. To exceed $150,000.

Conn., West Hartford (br. Hartford — SCHOOL — Town taking bids and open same about Oct. 10, B. I. Miller, town mgr., 2 story and basement, 62 x 205 ft., brick and steel, Elmwood Sect. $250,000. R. F. Barker, 43 Farmington Ave., Hartford, archt.

N. Y., Brooklyn—COLLEGE—Oct. 5, by Brooklyn Law School of St. Lawrence University, 305 Washington St., 8 story, 100 x 125 ft. college, 373 Pearl St. $1,000,000. Mayers, Murray & Phillips, 2 West 47th St., New York City, archts.

N. J., Weehawken—SCHOOL—Oct. 6, by Bd. Educ., at Hamilton School, general contract 3 story and basement, 100 x 140 ft., brick and steel, plain foundation, Louisa Pl. and 2nd St. $350,000. W. Weir, 254 Summitt Ave., Union City, archt. Noted June 23.

Ga., Atlanta—SCHOOLS—Oct. 10, by Bd. Educ., at office G. L. Preacher & Co., archts., Wynne-Claughton Bldg., Hoke Smith Junior High School addition, Frank L. Stanton, Capitol View, Ormewood and Davis Schools. Noted Aug. 4.

Mich., Mt. Clemens—SCHOOL—Oct .14, by G. J. Haas, archt., 2331 Park Ave., Detroit, 3 story and part basement, rein.-con., brick and steel, plain foundation, incl. gymnasium, Dist. 1, here, for Bd. Educ., A. Palmer, secy., R. F. D. 4. $200,000.

Ill., Chicago — TEMPLE — Coolidge & Hodgdon, archts., 134 South La Salle St., and Loebb & Schlossman, associated archts., taking bids temple, 111 ft. high, 200 x 207 ft., fireproof, ruble and cut stone trimming, Cornelia St. and Sheridan Rd., for Temple Sholom, E. Brandt, secy., 30 North La Salle St., $1,600,000. Noted June 10.

Contracts Awarded

Me., Orono — AGRICULTURAL — University of Maine, F. S. Young, 2 story and basement, brick, addition, plain foundation, to Otto Nelson Co., 194 Exchange St., Bangor Archts. est. $165,000. Noted July 28.

Mass., Quincy (br. Boston) — HIGH SCHOOL — City, T. T. McGrath, mayor, City Hall, 2 story and basement and stone, plain foundation, Junior High School addition Daniel Webster School at Newcomb Pl., to Frankini Bros., 30 Mystic Ave., Medford, $273,641. Noted Aug. 18.

R. I., Edgewood (sta. Providence) — SCHOOL—Bd. Educ. plans 2 story and basement, 70 x 120 ft., brick and stone, plain foundation, Beachmont Ave. to A & C Constr. Co., 156 Jastram St., Providence, $104,700. Architects est. $150,000. Noted Sept. 6.

N. Y., Glendale (mail Brooklyn)—SCHOOL—Bd. Educ., 500 Park Ave., New York City, general contract P. S. 113, to John Kennedy & Co., 1133 Bway, New York City, $283,000; heating, to Almirall & Co., Inc., 52 Park Pl., New York City, $37,750. Noted Sept. 25.

N. Y., Lockport — CHURCH — First Methodist Church, H. E. Brees, chn. building com., 22 Main St., church, East Ave. an Washburn St., to Bartram & Stapleton, Akron, O. Archts. est. $175,000. Noted July 28.

N. J., Jersey City—NORMAL SCHOOL—Bd. Educ., State House, Trenton, general contract 2 story and basement, 70 x 240 ft., brick and steel, plain foundation, Hudson Blvd. between Culver and Audubon Aves., here, to C. Cona Building Co., 382 Haledon Ave., Paterson, $420,000; plumbing, to W. P. Dunn, Inc., 42 Mechanic St., Newark, $26,619; heating, to R. G. Maupai, 73 South St., $45,300. Grand total $491,919. Noted Aug. 25.

N. J., Pensauken (mail Merchantville)—VOCATIONAL SCHOOL—Camden Co., Court House, Camden, general contract vocational school, Browning Rd. near here, to G. Bachman, 19 North 30th St., Camden, $680,708; plumbing, to W. J. Newell & Son, 2035 Arch St., Phila., Pa., $57,828; and heating, to H. Knecht, West Collinwood, $96,430. Grand total $834,966. Noted Sept. 8.

Pa. Pittsburgh — CONVENT — Link, Weber & Bowers, archts., Craig St., general contract 2 and 3 story and basement,

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Buildings—Educational, Religious (Cont.)

irregular shaped, brick, Ross Twp., to Henry Busse Co., West End Bank Bldg., Main St., for School Sisters of St. Frances. Archts. est. $150,000. Noted Sept. 22.

La., New Orleans—SCHOOL—Bd. Educ., additions to Kruttschnitt School, to R. McCarthy, Canal-Commercial Bldg., $134,100.

O., Cleveland—SCHOOL and POWER HOUSE — St. Charles Roman Catholic Church, N. F. Monaghan, Wilbur Ave. and Ridge Rd., 2 story and basement, brick, steel and concrete, Wilbur Ave., to W. J. Schirmer Co., 1720 Euclid Ave. Archts. est. $150,000.

O., Hamilton—CHURCH—Pilgrim Baptist Church Congregation, 1 story and basement, brick and concrete, Chestnut St., to E. Poston approximately $138,000.

Mich., Holland — SCHOOL — Fractional Dist. 9, general contract 2 story and basement, rein.-con., brick and stone, plain foundation, Dist. 9, to H. Postman, 47 West 17th St. Archts. est. $175,000.

Ill., East St. Louis—SCHOOL—Bd. Educ., J. S. Pidgeon, secy., 600 St. Louis Ave., general contract 2 story and basement, 66 x 131 ft., rein.-con., brick and stone, 74th and State Sts., to J. I. Gedney Constr. Co., 1461 Hall St., $105,037. Noted Sept. 15.

Minn., Northfield—MENS DORMITORY—Carlton College, D. C. Cowling, pres., general contract 2 story and basement, rein.-con., brick and stone, to Paul Steenberg Constr. Co., 914 Builders Exch. Bldg., St. Paul. Archts. est. $250,000.

Kan., Hutchinson—HIGH SCHOOL—Bd. Educ. 4 story and basement, 150 x 160 ft., rein.-con., brick and stone addition, plain foundation, to Stamey Constr. Co., Hutchinson, $190,600.

Tex., San Angelo—COLLEGE—Bd. Educ. c/o S. W. March, pres., Junior College, 2 story, rein.-con., brick and stone, to Thomas-Sable Constr. Co., 1320 Masonic St., Dallas, $155,500. Noted Aug. 11.

Wash., Seattle — CHURCH — Building Com. University Christian Church, 1 story and basement, 103 x 240 ft., rein.-con., East 50th and 15th Sts., to Western Constr. Co., Seaboard Bldg., $225,000. Noted Feb. 17.

Calif., Belvedere—SCHOOL—Bd. Educ., general contract school addition, to Witt & Chute, 2516 West Santa Barbara Ave., Los Angeles, $112,750. Noted June 23.

Federal Government Work

Proposed Work

Ky., Louisville—Bear Trap Leaves—U. S. Engineer Office, rejected bids 2 sets beartrap leaves for Lock 6, in Ohio River. Will readvertise.

Ill., Great Lakes (mail Waukegon)—Road Repairs—Spec. 5495—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans road repairs at Naval Training Station, here.

Tex., Amarillo — Helium Production Plant—Helium Div. Bureau Mines, Dept. Commerce R. A. Cattell, engr., Wash., D. C., plans fireproof helium production plant, new machinery, etc., here. $500,000.

Bids Desired

Pennsylvania — Dredging — Oct. 21, by U. S. Engineer Office, Phila., dredging Marcus Hook and Bellevue Ranges.

Pa., Phila.—Dredging—Spec. 5509—Oct. 4, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Pier 8, Navy Yard, here.

Md., Camp Meade—Barracks—Oct. 19, by Constructing Quartermaster, 3 barracks buildings, here; adv. E. N.-R. Sept. 29. Noted Sept. 2, 1926 under "Wash., D. C."

N. C., Cape Hatteras—Compass Station—Spec. 5451—Oct. 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., compass house, at Naval Compass Station, here; adv. E. N.-R. Sept. 29.

N. C., Wilson—Post Office—Oct. 10, by Treas. Dept., at office Supervising Archt., Wash., D. C., supplemental bids constructing U. S. Post Office, here.

Ky., Louisville—Beartrap Leaves—Oct. 14, by U. S. Engineer Office, P. O. 27, fabricating and erecting beartrap leaves for Dam 52, Ohio River; adv. E. N.-R. Sept. 29.

Ill., Great Lakes (mail Waukegon) — Electrical Distribution System—Spec. 5480—Oct. 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., electrical distribution system at Naval Training Station, here. Noted Sept. 22.

Tex., Fort Sam Houston (sta. San Antonio)—Barracks—Oct. 22, at office Constructing Quartermaster, 1 Infantry Batallion and 1 Infantry Regimental Headquarters Barracks, here; adv. E. N.-R. Sept. 29. Noted Sept. 15 under "San Antonio."

Wash., Fort Lewis—Barracks—Oct. 21, by Constructing Quartermaster, rein.-con. and brick barracks building; adv. E. N.-R. Sept. 29.

Wash., Fort Lewis—Hospital—Oct. 24, by Constructing Quartermaster, hospital at Fort. Lewis; adv. E. N.-R. Sept. 29.

Wash., Port Orchard—Dredging—See "Contracts Awarded."

Calif., Pasadena—Remodeling—Oct. 24, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Bids Received

Vt., Burlington—Roof Repairs—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 15, roof repairs at U. S. Veterans Hospital, here, from E. Van Noorden Co., Roxbury, Mass., $8,448.

N. Y., Albany—Dredging—U. S. Engineer Office, Army Building, 39 Whitehall St., New York City, dredging in Hudson River, here, from Natl. Dredge & Dock Co., 60 Beaver St., New York City, $0.1848 per cu.yd., total $585,834. Noted Sept. 1.

N. Y., Buffalo—Interior Changes—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 15, interior changes at U. S. Marine Hospital, here, from W. A. Walker, 24 Vernon Pl., $13,970. Noted Aug. 25.

N. Y., Fort Wadsworth (mail Staten Island)—Barracks—Constructing Quartermaster, 39 Whitehall St., New York City, Sept. 26, infantry battalion barracks at Fort Wadsworth, from Waldemar Mortenson Co., 405 Lexington Ave., New York City. $304,400. Noted Sept. 8.

Pa., Johnstown — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 20, remodeling mailing platform, installing new lift, lighting fixtures, etc. at U. S. Post Office, here, from T. W. Cissell, Bethlehem, $4,800. Noted Sept. 1.

D. C., Wash.—Power Plant and Heating Building — Bureau Standards, Sept. 20, power and heating building, from A. L. Smith & Co., 2525 Penn. Ave., $157,200. Noted Sept. 15.

D. C., Wash.—Additional Stories—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 21, additional stories, etc. to United States Liberty Loan Building, from Skinker & Garrett, 1416 F St. N. W., $183,597; extending elevators and installing 2 electric elevators, from Haughton Elevator & Machine Co., Vermont Bldg., $8,000 and $12,790 respectively. Noted Sept. 1.

Miss., Gulfport — Roads and Walks — U. S. Veteran's Hospital Arlington Bldg., Wash., D. C., roads and walks at U. S. Veteran's Hospital, here, from Robertson & Mills, Gulfport, $14,800. Noted Sept. 1.

Ky., Louisville—Hospital Improvements—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 21, improving driveway Marine Hospital, here, from Smythe & Co., Wash., D. C., $1,593, other work $4,869. Noted Sept. 8.

Ind., Columbus — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 15, remodeling U. S. Post Office, here, from Dunlap & Co., Columbus, $2,770.

Contracts Awarded

Me., Bar Harbor—Altering—Spec. 5406—Bureau Yards & Docks, Navy Dept., Wash., D. C., altering radio building, at Naval Radio Station, Otter Cliffs, here, to E. K. Whitaker, 122 Cottage St., $35,456. Noted Sept. 15.

Mass., Nantucket — Radio Compass Station—Spec. 5441—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairing buildings at Naval Radio Station, here, to Olson & Appleby, 6 South 2nd St., New Bedford.

Conn., New Haven—Water Supply—Treas. Dept., at office Supervising Archt., Wash., D. C., water supply at U. S. Post Office, Custom and Court House, here, to J. L. Powers, Bennettsville, S. C., $13,570.

N. Y., Buffalo—Superstructure—U. S. Engineer Office, concrete superstructure on Bird Island Pier, to F. G. Hanssel, Ellicott Sq., $73,746. Noted Aug. 11.

N. J., Millville—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, to W. Petersen, 305 Wilkinson Bldg., Omaha, Neb. $71,500. Noted Sept. 8.

Ala., Montgomery—Barracks—Quartermaster General, Wash., D. C., constructing barracks at Maxwell Field, here, to O. P. Woodcock, 302 Lutz Bldg., Jacksonville, Fla., $104,175. Noted Aug. 22.

Ala., Selma — Remodeling Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to A. C. Samford, Montgomery, $22,650. Noted Sept. 15.

Miss., Vicksburg—Levee—Third Mississippi River Dist., P. O. Box 404, 442,000 cu.yd. north bank Arkansas River, to Harvey Brown Constr. Co., North Little Rock, Ark., $228,480.

Tenn., Memphis—Earthwork—U. S. Engineer Office, constructing 385,000 cu.yd. earth work in tributary stream of Mississippi River, Pieces 1-7, to J. P. and S. L. Hunter, New Madrid, Mo., $30,433; Pieces 8-15, to Douglas, Buchanan & Cross, Shreveport, La., $91,314; Pieces 16-19, to W. R. Diener & W. T. Burks, Biscoe, Ark., $19,314; Pieces 21, to Wells Bros., Helena, Mont., $10,125; and Pieces 21-23, to W. W. Meachan & Co., Laconia, Ark., $19,580. Grand total $170,787.

Tenn., Nashville—Gates—U. S. Engineers Office, 4 steel lock gates for locks in Cumberland River, to Nashville Bridge Co., foot Shelby Ave., $35,910. Noted Sept. 22.

Ky., Louisville—Lock Gates—U. S. Engineer Office, P. O. Box 72, constructing Lock Gates 51 and 53, in Ohio River, here, to Independent Bridge Co., Neville Island, Pittsburgh, Pa., $107,400. Noted Aug. 4.

Ill., Great Lakes (mail Waukegon)—Chimney—Spec. 5413—Bureau Yards & Docks, Navy Dept., Wash., D. C., chimney at U. S. Naval Training Station, here, to Alphons Custodis Chimney Constr. Co., 140 South Dearborn St., Chicago, $10,865. Noted Sept. 18.

Ill., Sterling—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Offices, here, to P. E. Kosman Co., Sterling, $10,150. Noted Sept. 8.

Ia., Shenandoah — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C., extending post office, here, to Anderson Constr. Co., Council Bluffs, $16,167. Noted Sept. 8.

Wyoming — Road—Bureau Pub. Rds., Denver, Colo., grading, etc. 0.32 mi. Devils Tower Bridge Project, Crook Co., here, to C. M. Smith, Thermopolis, $28,500. Noted Sept. 15.

Missouri—Dikes—U. S. Engineer Office, 428 Customhouse, St. Louis, 6,000 lin.ft. piling dikes or hurdles in Mississippi River, at Missouri Sister Island, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $267,173. Noted Sept. 22.

Tex., Austin — Attic Changes — Treas. Dept. at office Supervising archt., Wash., D. C., attic changes at U. S. Post Office, here, to H. M. Hargrave, Govalle St., $3,609. Noted Sept. 8.

Ariz., Tucson—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., general contract buildings and oil tanks, etc., here, to Sumner Sollitt Co., 307 North Michigan Ave., Chicago, Ill., $787,134; electrical work, to H. P. Foley Co., 1001 Exchange Bldg., Miami, Fla., $56,610; plumbing and heating systems, to T. E. Thomas Plumbing & Heating Co., Ogden, Utah, $224,000; refrigerating machinery, to York Products Corp., 5051 Santa Fe Ave., Los Angeles, Calif., $23,496; and concrete chimney to Weber Chimney Co., 1452 McCormick Bldg., Chicago, Ill., $4,490. Grand total $1,095,730. Noted Sept. 15.

Wash., Port Orchard—Dredging—U. S. Engineer Office, Seattle will dredge bay, here, by own forces. Former bids rejected. Noted Aug. 18.

Calif., Livermore—Walks—U. S. Veterans Bureau, Wash., D. C., walks, curbing, guttering, etc. at U. S. Veterans Hospital 102, here, to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $27,580. Noted Sept. 8.

Calif., San Diego—Boiler—Spec. 5345—Bureau Yards & Docks, Navy Dept., Wash., D. C., boiler at Naval Station, here, to Allen Bros., Los Angeles, $8,077. Noted Sept. 8.

Calif., San Diego—Garage—Spec. 5363—Bureau Yards & Docks, Navy Dept., Wash., D. C., garage at nurses quarters, Naval Training Station, here, to M. H. Golden, 3612 Texas St., San Diego, $4,611. Noted Sept. 15.

Calif., San Francisco—Dredging—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging in Naval Receiving Ship Station here, to Amer. Dredging Co., 255 California St., at $0.35 per cu.yd.

Unclassified

Proposed Work

Submarine Conduit, etc.—Boston, Mass.—Edison Electric Illuminating Co., Boylston St., plans submarine conduit, terminal houses and extending Fender Pier in Mystic River at Malden Bridge. $25,000 or more. Private plans.

Ball Field, etc. — Franklin, Mass. — Veterans of Foreign Wars, Walker Parker

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Unclassified (Continued)

Post 662, c/o F. H. Nelson, post commander, City Library Bldg., Lowell, plans base ball field, tennis courts, club house, and camping grounds, at Wards Hill, here. $25,000 or more. Engineer not selected.

Grade Crossing Elimination—Pittsburgh, Pa.—See "Streets and Roads."

Grade Crossing Elimination—Warren, O.—Trumbull Co. plans overhead bridge eliminating dangerous railroad crossing, at Levittsborg. R. G. Taylor, Warren, engr.

Grade Separation — Hamtramck (br. Detroit), Mich.—City and Michigan Central Ry. Passenger Terminal Sta., Detroit Central Ry. Passenger Terminal Sta., Detroit J. F. Deimling, ch. engr., and Grand Trunk W. R., Detroit, J. A. Heaman, ch. engr., made plans depression tracks and elevating street, also steel bridges encased in concrete on concrete abutments, Joseph Campau Ave. $789,000. J. J. Mitchell, 85 1 Jos. Campau Ave., city clk.

Field House—Lawrence, Kan.—Kansas University, F. C. Allen, athletic dir., making preliminary plans 400 x 640 ft., rein.-con. and brick field house, 14,500 seating capacity. C. D. Cuthbert, Topeka.

Subway and Elevated Railway — St. Louis, Mo.—Illinois Traction System, c/o Illinois Power & Light Corp., 231 South La Salle St., Chicago, Ill., making preliminary surveys subway and elevated railway connecting freight depot, 12th St. and Lucas Ave. with new approach to McKinley Bridge over Mississippi River, on Salisbury St., here. J. A. Hooke, c/o owner, consult. engr.

Oil Pipe Line—Texas—Magnolia Petroleum Co., 1009 Fannin St., Houston, making surveys 140 mi. 8 in. welded pipe line from Riddle Station in Comanche Co. to tank farm near Midland. $2,000,000. Work may be done by own forces. Private plans.

Natural Gas Pipe Line—Texas—Houston Pipe Line, Scanlon Bldg., Houston, plans 36 mi. 8 in. pipe line from Freeport to Wadsworth, $100,000; and 28 mi. natural gas pipe line from Refugio to White Point, $75,000. Private plans.

Airport—Brownsville, Tex.—Chamber of Commerce, et al, plan airport on 300 acre site, near here. $100,000. Private plans.

Townsite—Odessa, Tex.—G. Harris & L. D. Wall making plans developing townsite of Lindbergh, in Crane Co., near here, incl. streets, sewerage system, waterworks, lights, etc. $150,000. Private plans.

Warehouse and Dock—Texas City, Tex.—Texas City Terminal Ry. Co., H. J. Mikeska, genl. mgr., having plans prepared rebuilding warehouse and dock at Pier "B" recently destroyed by fire. $200,000.

Traffic Signal, etc.—Laredo, Tex.—See "Bridges."

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., W. R. Emerson, secy., made plans 20 mi. 13,200 volt transmission line from Ardmore to oil fields. $30,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Lighting System — Alhambra, Calif.—Plans ornamental lighting system on portions 1st and 2nd Sts., etc. To exceed $25,000.

Canal Lining — Byron, Calif.—Byron-Bethany Irrigation Dist. voted $39,000 bonds, lining canals.

Wharf—Los Angeles, Calif.—Plans 65 x 352 ft., concrete and timber wharf at Berth 178. $157,700. A. H. Spear, 1017 Figueroa St. engr.

Swimming Pool—Huntington Park, Calif.—Plans election $25,000 bonds, swimming pool. $25,000.

Bids Desired

Track Work—Boston, Mass.—Oct. 19, by Transit Dept., 1 Beacon St., special track work from Ashmont Sta., Dorchester Rapid Transit. T. F. Sullivan, chn.

Heating, etc. — Creedmoor (mail Floral Park), **N. Y.**—Oct. 26, by Comrs. Dept. Mental Hygiene, Capitol, Albany, heating, sanitary, electrical and equipment work, etc. Building "N," Dining Hall, South Group, Creedmoor Div. Brooklyn State Hospital, here; adv. E. N.-R. Sept. 29.

Stairs, etc.—New York, N. Y.—Oct. 7, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing stairs and platforms at track pits in main repair shop, also stairways and stairway landings at coal pockets in Lenox Ave and 148th St. Yard, Agreement GH.

Heating, Sanitary Work, etc.—Wingdale, N. Y.—Oct. 26, by commissioner Dept. Mental Hygiene, Capitol, Albany, heating, sanitary work, electrical and equipment work, kitchen equipment, etc. Building "D," Dining Hall, Harlem Valley State Hospital, here; adv. E. N.-R. Sept. 29.

Subway Stations—Phila., Pa.—Oct. 7, by Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., station finish Columbia, Susquehanna-Dauphin, North Phila. and Allegheny Stations, Broad Street Subway, Contr. 182.

Wharf—Alabama—Oct. 17, by State Docks Comn., State Office Bldg., Mobile, 1,150 ft. wharf and foundations for coal and material handling plant.

Overhead Crossing—Mississippi—Oct. 5, by Comrs. Hinds Co., Court House, Jackson, overhead crossing on Federal Aid Project 184-A, between Jackson and Vicksburg, 42,180 lb. reinforcing, 18,840 lb. structural steel, etc. H. C. Dietzer, Jackson, engr.

Traffic Signals, Lighting System, etc.—Cincinnati, O.—Oct. 4, by Rapid Transit Comrs., City Hall, traffic signals, etc., incl. 41 standards, etc. $28,720, and ornamental lighting system $76,934, both for Central Parkway. F. L. Raschig, City Hall, engr. Noted Sept. 22.

Transmission Line—Texas—See "Contract Awarded."

Oil Pipe Line—Texas—See "Contracts Awarded."

Natural Gas Distributing System—San Antonio, Tex.—Miller-Darrough, 1211 West Mistletoe St., taking bids natural gas distributing system, incl. mains, laterals and connections, etc., in 98 acre sub-division on Vance-Jackson Rd. $30,000 (materials).

Lighting System—Los Angeles, Calif.—Oct. 3, by Bd. Supervs. Los Angeles Co., ornamental lighting system on Ramona Blvd. et al. $25,533. G. W. Jones, Hall of Records, engr.

Bids Received

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing Route 45, Part Bway.-4th Ave. Rapid Transit R.R., Sect. 1, from Marcus Contg. Co., 305 Bway., $4,740,000; Sect. 2, from Moranti & Raymond, 42 Bway., $5,735,000; and Sects. 1 and 2 (combined) from M. Blumenthal, 55 West 42nd St., $10,000,000. Noted Sept. 1.

Contracts Awarded

Gymnasium and Swimming Pool—Keene, N. H.—State, c/o W. E. Mason, State Normal School 1 story and balcony, 60 x 125 ft., brick, stone and steel gymnasium, also concrete swimming pool at State Normal School, to G. W. Scott, 28 Washington St.

Footings, etc.—Brookline (br. Boston), **Mass.**—Cadillac Motor Car Co., 2860 Clark St., Detroit, Mich., footings and excavation for sales and service building, Commonwealth Ave. and Essex St., here, to F. T. Ley Co. Inc., Statler Bldg., Boston. Engrs. est. $25,000. Noted Sept. 8 under "Buildings—Industrial."

Rapid Transit Station—Dorchester (br. Boston), **Mass.**—Transit Dept., 1 Beacon St., Boston, Shawmont Station, 1 story, brick, steel and concrete, here, to White Constr. Co., 11 Beacon St., Boston, $23,434. Noted Sept. 8.

Swimming Pool — Gloucester, Mass. — Owner, c/o H. L. Kennedy, archt., 80 Boylston St., Boston, plans concrete swimming pool, water filters, pump, concrete walks, stone wall, etc., here, to Parker & Welsh, 22 Chapman St., Beverly. Noted July 14.

Foundation and Footings — Worcester, Mass. — Worcester City Hospital, Pub. Building Dept., City Hall, C. A. Drew, supt., concrete foundation and footings for brick and steel nurses home, Jacques Ave., to J. J. Roberts, 4 Wall St., $25,000. Noted Feb. 17.

Golf Course, etc. — Waterbury, Conn. — Waterbury Country Club, I. W. Day, 111 Main St., golf course and club house, to Tracy Bros. Co., 52 Benedict St. Archts. est. $50,000. Noted Aug. 18.

Bridge Plazas—New York and New Jersey—Port of New York Authority, 75 West St., New York City, plazas for Tottenville-Perth Amboy Bridge, at Tottenville, N. Y. $226,738, and at Perth Amboy N. J., to T. J. M. Contg. Co., 120 South 2nd St., New Brunswick, N. J., $388,214; for Elizabeth Howland Hook Bridge, at Howland Hook, N. Y., to Frederick Snare Corp., 144 Liberty St., New York City, $98,615, and at Elizabeth, N. J., to Triest Contg. Co., 247 Park Ave., New York City, $80,970. Grand total $44,537. Noted Aug. 25 under "Bridges."

Station Finish — Brooklyn, N. Y. — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, station finish for portion 14th St.-Eastern Rapid Transit R.R., here, to Charles Meads & Co., 217 West 14th St., New York City, $188,213. Noted Sept. 1.

Tunnel, etc.—New York, N. Y.—Hispanic Society of America, 620 West 156th St., connecting tunnel and boiler room, 620 West 156th St., to Marc Eidlitz & Sons, 41 East 42nd St. Archts. est. $150,000.

Centrifugal Sump Pumps, etc.—Phila., Pa.—Dept. City Transit, H. E. Ehlers, dir., 1211 Chestnut St., electrically operated centrifugal sump pump in 6 drainage sumps of Broad Street Subway, Contr. 178, to W. V. Pangborne & Co., 1927 West Montgomery St., $55,538. Noted Aug. 25.

Wharf—Richmond, Va.—Director Pub. Wks., concrete wharf, to A. J. Saville, Electric Bldg., $79,423. City will furnish material. Noted Sept. 15.

Natural Gas Pipe Line etc.—Texas—Southern Gas & Utilities Co., c/o Frost Bldg., San Antonio, to N. A. Saigh & Co., 511 Builders Exch. Bldg., San Antonio, 118 mi. 8 and 10 in. natural gas pipe line from San Antonio to New Braunfels, Seguin and San Marcos approximately $650,000, natural gas distributing system incl. mains, laterals, and booster unit, at Seguin approximately $50,000, natural gas distributing system, 8- and 10-in. mains, pumping or booster plant, at New Braunfels approximately $100,000, and natural gas distributing system, incl. mains laterals and booster station at San Marcos approximately $40,000. Grand total approximately $840,000.

Oil Pipe Line—Texas—Ozark Pipe Line Co., Shell Bldg., St. Louis, Mo. (Div. of Roxana Petroleum Co., Arcade Bldg., St. Louis, Mo.), will lay approximately 35 mi. probably 8 in. pipe line from Pecos Co. Fields to McCamey, here, by day labor. $10,000. Private plans.

Transmission Line — Texas — Central Power & Light Co., c/o Frost Bldg., San Antonio, will build high power transmission line from Taft to Gregory and Portland, by own forces. $35,000. Private plans.

Street Lighting System — Bellingham, Wash.—Street Lighting system in 20 blocks streets in business district, to Ne Page-McKenna Co., Armour Bldg., Seattle, $55,655.

Lighting System—Culver City, Calif.—Ornamental lighting system on Coolidge and Berryman Aves., etc., to A. C. Rice, 1957 Santee St., Los Angeles, $26,240.

Gas Works—Belleville, Ont.—City, 68 ft. diam. steel gas holder, 70 ft. high, to Horton Steel Wks., Bridgeburg; and concrete foundations, to W. H. Patterson, 211 Dufferin St. Engrs. est. $50,000.

Wharf—Cap Chat, Que.—Dominion Govt., Ottawa, extending wharf, here, to Ludger Lemiex Ltd., Ste. Marie, $31,000.

Materials

Bids Desired

Cast Iron Pipe—Paterson, N. J.—Oct. 3, by Boro of Haledon, Haledon Firehouse, class B cast iron pipe and fittings, at River St. Station, Erie R.R., here; adv. E. N.-R. Sept. 29.

Frogs, Crossings, etc.—Phila. Pa.—Oct. 4, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., West Phila., frogs, crossings, gage rods, etc., Contr. 112-1927; tie plates, joint bars, Contr. 113-1927; guard rail clamps, Contr. 114-1927; and structural steel for bridges, Contr. 115-1927.

Wheels—Phila., Pa.—Oct. 5, by C. W. Walsh, purch. agt., Pennsylvania R.R. Co., 15 North 32nd St., West Phila., wheels, Contr. 116-1927.

Gravel—Mer Rouge, La.—Oct. 13, by Police Jury Morehouse Parish, Bastrop, 3,337 cu.yd. washed gravel, here, for Mer Rouge-Johnson Rd. J. L. White, parish engr.

Cable, Pipe, etc.—Chicago, Ill.—Oct. 7, by M. J. Kennedy, comr. Gas & Electricity, City Hall, lead covered cable, standard black iron pipe, electric traffic signals, reflectors and lenses, etc.

Pipe—Shawnee, Okla.—Mayor and Council in market 10,000 lin.ft. 2 in. heavy lead water pipe.

Pipe—Hanford, Calif.—Oct. 10, by D. C. Williams, city clk., 3,500 ft. 4 in. bell and spigot c.i. pipe.

Contracts Awarded

Asphaltic Cement—Brooklyn, N. Y.—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, 400,000 gal. asphaltic cement, to Warner Quinlan Co., 26 Beaver St., New York City, $25,360; 4,800 cu.yd. binder stone and 2,500 tons limestone, to New York Trap Rock Corp., 250 Park Ave., New York City, $9,312 and $12,168 respectively; 4,000 cu. yd. asphalt sand, to Ryan, Buckley & Hickey, Inc., 66 Court St., $3,880. Grand total $50,720. Noted Sept. 1.

See proposal advertising on page 112

Constr. News page 173

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Bridge—Chicago, Ill.

Bids were opened by Sanitary District of Chicago, 910 South Michigan Ave., July 28, for constructing substructure for Crawford Avenue Bridge, from (A) Underground Constr. Co., 130 North Wells St., (awarded contract); (B) Warner Constr. Co., 111 North Dearborn St.; (C) Contracting & Materials Co., 42 East Pearson St.; (D) Fitzsimons & Connell Dredge & Dock Co., 10 So. LaSalle St.; (E) Great Lakes Dredge & Dock Co., 104 So. Michigan Ave. The unit bids are as follows:

	A	B	C	D	E
Miscellaneous (lump sum)	$25,000.00	$15,000.00	$25,000.00	$33,500.00	$29,500.00
Cofferdams (lump sum)	156,000.00	150,000.00	200,000.00	205,000.00	265,448.00
7,500 cu.yd. excav. for piers	4.25	5.00	4.50	6.00	5.50
600 cu.yd. tamped fill under piers	4.00	5.00	3.00	3.50	4.50
4,000 cu.yd. excav. of spoil banks	1.90	1.50	2.00	3.00	3.25
1,000 cu.yd. additional excavation in channel	3.00	6.00	3.50	2.00	2.00
4,350 cu.yd. concrete	16.60	18.60	22.00	33.00	31.50
30 cu.yd. cement mortar	40.00	20.00	25.00	40.00	35.75
480,000 lb. reinforcement steel	.05	.05	.07	.08	.075
92,000 lb. structural steel, rods, bolts, etc	.10	.09	.11	.11	.12
1,800 cu.ft. solid rock and boulders in sub-piers	1.00	1.00	1.00	1.00	1.00
10,000 lb. steel linings in sub-piers	.10	.15	.20	.15	.15
35,000 cu.ft. sub-piers above —50.0	1.50	2.00	1.75	2.00	2.10
24,000 cu.ft. sub-piers below —50.0	2.00	2.50	2.50	2.25	2.30
4,100 ft. b.m. creosoted oak	300.00	300.00	200.00	250.00	275.00
1,710 lin.ft. creosoted oak piles	1.70	1.50	2.00	1.50	1.60
Totals	$439,922	$468,385	$541,510	$623,760	$674,899

Engineering News-Record, Issue of Sept. 29, 1927.

Flood Control—Los Angeles, Calif.

Bids were opened by Board of Supervisors of Los Angeles County Flood Control Dist., Hall of Records, July 5 (lowest 3 and highest), for constructing Puddingstone Dam and appurtenant structures, from (A) H. W. Rohl, 727 West 7th St.; (B) Kaiser Paving Co.; (C) Stewart & Welch Construction Co.; (D) Thomas Haverty Co. The unit bids are as follows:

	A	B	C	D
30,000 cu.yd. stripping for embankments	$0.50	$0.44	$0.44	$0.75
25,000 cu.yd. excav. for spillway and outlet conduit trenches and all open cut excavation	.75	1.10	.80	1.50
100 cu.yd. excav. in tunnel and gate shaft	20.00	15.00	10.00	16.00
350,000 cu.yd. placing earth fill in dam No. 1	.43	.44	.49½	.79
220,000 cu.yd. placing earth fill in dams 2 and 3	.43	.44	.49½	.79
2,000 cu.yd. placing plain concrete (with exception of shaft and tunnel)	9.00	10.88	7.50	10.00
5,500 cu.yd. placing reinforced concrete (with exception of shaft and tunnel)	10.00	10.67	8.50	11.00
350 cu.yd. placing reinforced concrete in shaft and tunnel	25.00	15.45	25.00	25.00
290,000 sq.ft. placing concrete 4 in. lining on face of dam	.15	.1144	.12	.13
3,000 lin.ft. placing tile drains	1.00	.34	.40	.50
20,000 lb. placing valves and gates	.05	.054	.10	.05
5,000 lb. placing miscellaneous metal work	.10	.07	.10	.05
Totals	$410,000	$414,759	$425,350	$641,600

Engineering News-Record, Issue of Sept. 29, 1927.

Cleaning and Covering Channel—Syracuse, N. Y.

Bids were opened by Board Contract & Supply, City Hall, Aug. 15, for cleaning channel and constructing rein.-con. cover over Harbor Brook from Richmond Ave. to State Fair Blvd., from (A) J. H. Corbett, Jr., S. A. & K. Bldg.; (B) C. T. Hookway; (C) Bird & Street; (D) Mondo Constr. Co. The unit bids are as follows:

	A	B	C	D
Cleaning channel (lump sum)	$1,500.00	$800.00	$3,500.00	$3,800.00
3,385 cu.yd. reinf. conc. cover	14.35	13.70	19.00	25.00
128,300 lb. reinforcing steel	.06	.06	.06	.06
5 manholes	50.00	60.00	50.00	75.00
1 manhole rebuilt	200.00	40.00	75.00	25.00
1,617 ft. BM. grillage beams and plans	200.00	80.00	60.00	75.00
25,000 lin.ft. timber piles	.35	.58	.45	.75
2 walk and stairs railings	250.00	400.00	190.00	125.00
Cinder walk and guard rail (lump sum)	100.00	200.00	80.00	200.00
100 cu.yd. extra excav.	2.25	1.00	2.00	2.00
Totals	$70,998	$72,093	$88,708	$117,123

Engineering News-Record, Issue of Sept. 29, 1927.

Channel Wall—Lockport, Ill.

Bids were opened by Sanitary District of Chicago, 910 South Michigan Ave., Chicago, for constructing main channel wall, Contr. No. 3, from (A) Green & Sons Co., 6 North Michigan Ave., Chicago; (awarded contract); (B) H. E. Culbertson Co., Cleveland; (C) Central Dredging Co., Chicago; (D) Great Lakes Dredge & Dock Co., Chicago. The unit bids are as follows:

	A	B	C	D
5,000 cu.yd. excav.	$3.00	$3.00	$1.50	$1.42
500 cu.yd. excav.	6.00	6.00	4.50	1.42
13,000 cu.yd. concrete removed	5.00	7.00	9.00	6.05
5,000 cu.yd. concrete removed	10.00	11.00	13.00	6.05
2,000 cu.yd. concrete removed	20.00	14.00	37.50	7.05
500,000 lb. reinf. steel	0.08	0.08	0.06	0.09
18,000 cu.yd. conc. difference of mixtures	18.00	19.00	18.00	23.75
5,000 cu.yd. conc. difference of mixtures	24.50	27.00	18.00	27.90
2,000 cu.yd. conc. difference of mixtures	50.00	27.00	34.50	51.00
5,000 sacks additional cement	1.00	1.00	0.90	1.05
2,000 lin.ft. hand railing	1.50	2.00	6.00	4.50
Removal of trestle and foot-bridge (lump sum)	2,000.00	2,000.00	1,500.00	8,000.00
Totals	$769,500	$774,000	$797,750	$867,060

Engineering News-Record, Issue of Sept. 29, 1927.

Constr. News page 174

UNIT PRICES *Continued on page 174q*

How to Save on the Final Cost of Wood Floor Finishing

THE charts above show the first cost of wood floor finishes. Including labor cost, Lignophol is from 50% to 75% lower than staining and shellacing (or varnishing).

As Lignophol is easily applied with a long-handled brush the labor cost is reduced to the minimum. The material alone costs but 1 cent per square foot.

The U. S. Forest Products Service says linseed oil does not protect. Shellac and varnish are surface treatments only and wear off.

Lignophol penetrates the wood, filling the cells and fibres and producing smooth, hard and dustless floors that last for years.

Lignophol is furnished in four standard colors: Natural; (for preserving the natural beauty of a new floor), Light Brown, Medium Brown and Dark Brown (for improving appearance of older floors).

Be sure to use Lignophol—the great life saver for wood, and save expensive floors (new or old) from splintering, rotting, or drying out. THE FIRST COST IS THE ONLY COST!

L. SONNEBORN SONS, Inc., 114 Fifth Avenue, New York

Other Sonneborn Life Savers for Buildings

LAPIDOLITH

The original concrete floor hardener. Adds years to the life of concrete floors. This liquid chemical compound is applied like water, with a brush. Hardens overnight. Does away with dust and cracks.

CEMCOAT

This paint stays white when others turn yellow. Can be washed again and again. Adheres to brick or concrete as easily as wood. Send for samples.

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A complete line of water and dampproofing products for walls, copings, foundations.

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Name .....
Address .....
Company .....
Position E.N.R.9

UNIT PRICES

On actual contracts gathered by field correspondents, also those sent in by readers

Flood Control—Los Angeles, Calif.

Bids were opened by Board of Supervisors of Los Angeles County Flood Control Dist., Hall of Records, July 5, (lowest three and highest) for Puddingstone Dam Project, channel and appurtenant structures, from (A) Ross & Donovan, Hollywood Bldg.; (B) Sidney Smith; (C) John C. Gist; (D) Charles H. Johnson. The unit bids are as follows:

	A	B	C	D
DIVERSION DAM AND APPURTENANT WORKS				
70,000 cu.yd. earth fill in dams	$0.55	$0.65	$0.62	$0.54
64,000 sq.ft. placing 4-in. concrete facing on dam	.094	.1185	.15	.12
900 cu.yd. placing concrete in cutoff wall of dam and water cutoff strips under contraction joints	6.20	11.85	11.50	12.87
3,600 cu.yd. placing loam covering on top of concrete lining	.75	.90	1.00	1.15
1,800 cu.yd. placing reinforced concrete in spillway at dam	8.40	11.85	10.50	16.32
2,000 cu.yd. placing reinforced concrete in gate structure and outlet transition	12.44	12.75	12.00	16.32
100 cu.yd. placing reinforced concrete in outlet conduit	15.98	12.85	17.00	20.00
300 lin.ft. placing double 2-in. pipe railing at diversion works	.20	.60	1.00	1.00
52,000 lb. placing radial gates and operating mechanism at dam	.015	.02	.04	.05
Totals	$95,234	$116,324	$113,930	$128,119
CHANNEL—RECTANGULAR				
14,000 cu.yd. placing reinforced concrete in rectangular channel section	$11.25	$10.45	$10.00	$11.72
100,000 cu.yd. excavation	.43	.4895	.42	.40
375,000 sta. yd. overhaul	.02	.025	.02	.02
500 lin.ft. placing metal pipe railing on road bridges	.15	.60	1.00	1.00
2,000 lin.ft. placing tile drains	.20	.05	.50	1.00
170 cu.yd. placing reinforced concrete railroad bridges	32.00	13.00	20.00	16.77
Totals	$213,915	$207,235	$194,400	$216,930
TRAPEZOIDAL				
4,500 cu.yd. placing reinforced concrete in rectangular section, from Diversion Dam to Foothill Blvd.	$12.15	$10.95	$11.00	$12.72
7,000 cu.yd. placing reinforced concrete lining in open trapezoidal section, Foothill Blvd. to Outlet	8.70	9.96	9.50	14.00
2,000 cu.yd. placing reinforced concrete in concrete bridges over trapezoidal section	12.44	12.00	15.00	18.00
113,500 cu.yd. excavation for entire channel	.48	.485	.50	.52
500,000 sta.yd. overhaul	.02	.025	.02	.02
500 lin.ft. placing metal pipe railing	.15	.60	1.00	1.00
2,000 lin.ft. placing drains	.20	.05	.50	1.00
Totals	$205,410	$210,942	$214,250	$262,760

Engineering News-Record, Issue of Sept. 29, 1927.

Reservoir Covers—St. Louis, Mo.

Bids were opened by City, June 21, (lowest three and highest) for constructing reinforced-concrete covers for four 275x600-ft. water storage reservoirs at Bissells Point Water-Works Station, from (A) F. A. Stiers, Garrison Ave. and Magazine St., (awarded contract); (B) Dunham Constr. Co., Chemical Bldg.; (C) Frazier-Davis Constr. Co., Arcade Bldg.; (D) Ratermann Bldg. & Contg. Co., 1943 St. Louis Ave. The unit bids are as follows:

	A	B	C	D
15,500 cu.yd. conc.	$16.00	$16.10	$16.85	$53.00
2,370,000 lb. rein. steel	.04	.042	.04	.03
7,000 lb misc. iron and steel	.06	.10	.10	.10
Masonry removal and finish on coping (lump sum)	3,500.00	1,500.00	3,500.00	1,500.00
Drains and sewers (lump sum)	2,000.00	800.00	2,000.00	900.00
100 tons hydrated lime	16.00	13.50	15.00	20.00
Totals	$350,320	$353,440	$363,675	$897,700

Engineering News-Record, Issue of Sept. 29, 1927.

Road—Houston, Tex.

Bids were opened by City, July 6, (lowest three and highest) for clearing, grubbing and grading Clinton Road from Kress St. to 69th St. Bridge Approach, from (A) F. H. Berry, Houston, (awarded contract); (B) J. M. Griswolds Sons; (C) Brown & Root; (D) A. M. Arnold & Co. The unit bids are as follows.

	A	B	C	D
65 sq. clearing	$7.50	$15.00	$12.50	$25.00
65 sq. grubbing	20.00	30.00	25.00	25.00
48,000 cu.yd. excavation	.28	.275	.30	.80
2,000 manhour extra work, labor	.35	.25	.45	.40
1,000 teamhour extra work, teams	.75	.60	.85	.90
Totals	$16,677	$17,225	$18,588	$43,350

Engineering News-Record, Issue of Sept. 29, 1927.

Street Improvement—San Luis Obispo, Calif.

Bids were opened by Supervisors of San Luis Obispo County (lowest three and highest) for improving streets in Monterey Heights, from (A) I. L. Ryder, San Jose; (B) Warren Constr. Co., Oakland; (C) Peninsular Paving Co., San Francisco; (D) Jones & King, Hayward. The unit bids are as follows:

	A	B	C	D
23,000 cu.yd. excav.	$1.35	$1.42	$1.36	$1.42
2,400 cu.ft. conc. (wall)	.70	.72	.80	.70
4,500 lb. reinf. steel	.06	.06	.06	.06
11,900 ft. curb and gutter	1.30	1.28	1.38	1.40
1,170 ft. conc. curb	.90	.85	.98	1.00
27,300 sq.ft. conc. pavement	.24	.25	.261	.27
112,500 sq.ft. 2½ in. asph. base, 1½ in. Warrenite surf.	.22	.225	.242	.26
5,600 ft. vit. sewer, 6 in.	1.50	1.30	1.00	.90
5,000 ft. vit. sewer, 4 in.	.90	.87	.70	.75
130 T's on 6 in. sewer	1.00	1.10	1.75	1.00
15 manholes	100.00	90.00	95.00	90.00
3 lampholes	18.00	20.00	25.00	18.00
4,400 ft. 4 in. wr. steel pipe	2.16	2.00	2.00	2.10
380 ft. 3 in. wr. steel pipe	1.50	1.60	1.55	1.60
2,500 ft. ¾ in. galv. ser. pipe	.60	.60	.72	.65
18 1-way hydrants	90.00	92.00	91.25	92.00
17 gate valves, 4 in.	22.00	25.00	24.00	25.00
2 gate valves, 3 in.	18.00	20.00	21.00	20.00
Pump house with pump, motor and equipment (lump sum)	2,500.00	2,400.00	2,500.00	3,000.00
100 ft. conc. and corr. culv.	3.25	3.30	3.90	3.95
1,160 ft. 1½ in. conduit	.33	.33	.34	.33
1,160 ft. conductor, lead covered	.14	.15	.16	.14
160 ft. conduct., R.C.D.B.	.14	.14	.16	.14
8 electroliers	150.00	150.00	145.00	150.00
Totals	$113,605	$113,743	$114,185	$118,141

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